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 aggaaaaatt tgataacgcc aattgctagg cttcccaata ttattcataa gtgggacgcc 180
 attggaaaat tcccatgtgc ttttacattt ttnggcaagc ccgggacata tgtcttgatc 240
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 <213> Ctenocephalides felis

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 aacgcgcctc caatgaagat attccgtagc cgaagagttc ttctcagtga tggc 114

<210> 901
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 <212> DNA
 <213> Ctenocephalides felis

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 gcgttaagag atgcaaagtt agacaaagga gccatacatg atgttgattt ggtgggaggt 180
 tccacaagaa tacctaaaat tcgatctctg ctacaagaat tctttgcagg aaagacctta 240
 aattctttcca taaatccaga tgaagctgtg gcttatgggtg ctgcagt 287

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 ggccaaggag gctatgccac tcttgtcaat ggtggagttg gctggaaaaa tgtaacttta 180
 ctcttatctt ctccagactgg caaaggattt aacttcttag ttgaaatttg gggatattag 240
 attagaaata taatgaaaat gtgaatatag aaaaaaaatt aaatatacaa tagtatttta 300
 aatttggcac acatctatct atgcatccat aaataaaggn tatatacagc attcatttna 360
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ttaaattaaa aaaaatatta tattcagaat ggatatataa tccattcaac tttctaaaac 180

gaacaaagaa atctgcgcca cgtctgatat ctgggaatat gnattggatt taatatatat 240

gntaagnggt taaaaaata tttctatttc atatacctgg 280

<210> 904

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ggtaatggaa tttatctgca aatagtcaaa atcaaaaatta ctatataatg gattattgaa 180

ataatgcttt tatagattgc atttcaatct gtattaaatt gnatgtaaat cacagcacia 240

gatctaacac acaattcatc taacagaaag aactaaataa ttttaatgnt attaaaaatt 300

catataaaat aactttttaca ataaagtaac cttacatgag atgtgttgat ttcagatctt 360

ttcatacaac agtgctttct gtataaacia tataatataa ataacgg 407

<210> 905

<211> 421

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 attctaaaat tatgtgaata accaaaattt taaaccatta acacaaatat tttttattcc 180
 cacttaactt attacttatt aaaatattac ttggcaagga tttttatatt tttggatttt 240
 tttagggata ttataaagac gcctttagtt gttgccttat gaataaaatc atatttataa 300
 tacattcaca tattatatac taaactattg agaagactta gacgatttaa tggaattaat 360
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 aggaacatct ctgatagcat gtggagtgat tgcattcttt ataccgaaca tttatcanaa 180
 gcaagtggat agaagaacga gcattgcttc atatggacca taaccatatt tccgtcgtgt 240
 gttgtgaaat gcaattatac tttgagaaag tattatcaat taaaagaaa attcagaagt 300
 tgctactgaa tcattttcta aaacatcgca tgaaaattaa taactcttta ttgttattag 360
 attcgatgta aga 373

<210> 907
 <211> 350
 <212> DNA
 <213> Ctenocephalides felis

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 caccactaaa gaaagtacag tctgcaaagt acaagggttc aaatgtccgc accatcgaga 180
 ttttatccaa atataaatga ttgtcaaagc tattattatt gtgacgaaaa tagtatagga 240
 acccaatatt attgcccgc aattttgcat atgatccgtt acgtcataat tgcggaccta 300
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 <212> DNA
 <213> Ctenocephalides felis

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 atgatatttg tgatgaatga tgttgacatg atgtccgaag acgttggcta agatgcggna 180
 aaattctggt cctggncatc atcgnctccc tttcctggta atctttactt gttcccaatc 240
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<210> 909
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 <212> DNA
 <213> Ctenocephalides felis

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 aatatgatgc tattgtttaa tggtcaataa atgcacaaat tattccacaa atccccgatg 120
 agaccatcac gaatacaaga attggaagct tttccacaga gttaataata gcacctatta 180
 tgggaaatcc aatcgcatat ccagcttnca acattaaaga atgcataaat gcctgttctt 240
 cattgtgtct ttacactcgg tcgtactatt cgtagtatca atgaagtcgt ccgcctaagc 300
 attgatgaat tttggacaac gtagcatatt gtacttggta ctctgggatg agcgttttga 360
 aattctgcat tttacttatg atatcgggaa accacatg 398

<210> 910
 <211> 454
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ttttattcct atcttaaaat attcaaattt atatcaaaat ggntcggaaa tctattaaat 120

ggttgggcaaa caattcggga aacnagattt ttcaacgaga aattatgcta gtgcgtctga 180

atattttaatt aatgactcaa aatattcggt ttttgagaca actgggcttg gacaaaagca 240

atcaaggtgt ttatgatggt caatggttcg gatctggccc tacagtaaaa tcagcgtgcc 300

ccagcaatgg taaagtgatt gcagaaacaa taccaggcac aatcgctgat tacgagagat 360

gtgtgaaagc agcagaaaag cttggccaga atgggccagc ttntgctcc aagacgagga 420

gaaatcgtaa ggcaaattgg agatgctctc cgag 454

<210> 911

<211> 500

<212> DNA

<213> Ctenocephalides felis

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<223> n = unknown

<400> 911

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cctcaagagg gtgggcaacc cgttcagaac accgttacag aaagcactgc ttgagcagtg      120
gaacatgtct cgggaatctc aaagatacct ttagcgaata caatatctat aactgtttgc      180
taaaataaca tttttataga catccccctt aaaatgataa ggaaaatagg ttgcacacat      240
attttctaata gcataaaaac tgcaggattg gntttctttt ttatttaatt tatttatgtg      300
tgaagtatga aacaatgctt attgctgtgc aacctctttg gttatgtatt gntaaatcat      360
aaaacgtaaa gatctgattt ttagtttggt tacattttga caaacctgca ttagaattga      420
tttgcagtga gtaatttaga ggttgacttt aatttcattt taaaataata aagaaaaatg      480
ctttacgatg catatcccat                                         500

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<210> 912

<211> 500

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<213> Ctenocephalides felis

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<222> (487)..(487)

<223> n = unknown

<400> 912

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gatggtagat gacatctctg ctgaatatga aaacagcatt gcaagaatta gccaagatag      180
caaaattgaa atgattgctg ctgaattcga aaaacaagga tttgcccctg aagtcgatag      240
agatttggaa aggttcaaca aagaagttga aaggaaactt agcaaaaaag tgagtgaagc      300
cgcaaaggga tgccttaaag gccaacacca aaaagctcta ggttttgcac aagaagctcg      360
tgctaaggtc aaggcttgca gggatgataa acgtgaggaa ttcaaccaag ttcgccaaaa      420
tggttggcc gcctggagag aagccaggga gaacgccgaa ccctcagagc acaagccaag      480
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<210> 913

<211> 406

<212> DNA

<213> Ctenocephalides felis

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 ttttttatat ttaattgcac agatcatttg ngatatttatt atattaattg actactttat 180
 gataatttga atcctaatta gtctattcaa gattgttttc ctggtttaag ccttacttag 240
 caatctcact ttgtcattct tcgccgggtg gcgtgggtat gcatcgcaac tccgtttatc 300
 aaagtgcaag ccatttggac aatcataatg gtttatttgc catttgntgn taaccaagaa 360
 acattgataa tatttttttac aatctcttcg atcggaaaaa acggtt 406

<210> 914
 <211> 413
 <212> DNA
 <213> Ctenocephalides felis

<400> 914
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 tagcggtaac aaaataaaat aattttgtgc taaagcctct gcaataaaaa gaactgactc 120
 atatgtataa agatttaatt gtataaatgc aatacaaatt aattcagtta aaatttaaga 180
 acatattgca tgacagtttg gtataaagca taaatgactg cttagttttt tttttttaat 240
 gaaagttaa gacatctatt ataggaagat atatggcgga aacagaatca ttacatatac 300
 atcaacatca atgtgcatta cttttttttt taatttctct tcagatagaa tacgatgaat 360
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<210> 915
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<212> DNA

<213> Ctenocephalides felis

<400> 915

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agaattggga tttgtgcatt tcatgacggg gcaatcagct tctgacgatt tctttttaca    120
catattttta gaatgatcat atacatagtt agtggggcat tcgaaaacct gacctttacc    180
atctttgcag aataagtatc ttggtgcagc tttcggatct ggctgatatc ctacaaccgc    240
gcatgtagtt tctgccgtct tacagttttc ccaggtttt gatgagcaca tatcatctac    300
acaaaatgga gcatcggaat ttgagtcctc gcaattgatt gttgtaattg gggtttcttg    360
tccagcgcac aacttcaaag tagaacaatc gtgacaaaat gttcccaact gcttattagt    420

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<210> 916

<211> 266

<212> DNA

<213> Ctenocephalides felis

<400> 916

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aaatatgatg ctattgttaa atgttcaata aatgcacaaa ttattccaca aatcccgcac    120
gagaccatca cgaatacaag aattggaagc tttccacag agttaataat agcacctatt    180
atgggaaatc caatcgcata tccagctttc aacattaaag aatgcataaa tgccctgttct    240
tccattgtgt ctttacactc ggctcgt                                     266

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<210> 917

<211> 124

<212> DNA

<213> Ctenocephalides felis

<400> 917

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aacagcagga tttccttttg gccgaaaatc tcttgatatg caaacaaaaa ctggaactaa    120
atgt                                             124

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<210> 918

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ttctagctta tgtagctttt tgacaaataa aaattgttta taaaaaanaa aaaaa      175

<210> 919
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<212> DNA
<213> Ctenocephalides felis

<400> 919
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aatgattca gtagcaactt ctgaattttc ttgtaatcg ataatacttt ctcaaagtat      120
aattgcattt cacaacacac gacggaaata tggttatggt ccatatgaag caatgctcgt      180
tcttctatcc acttgcttct gataaatgtt cggataaaag aatgcaatca ctccacatgc      240
tatcagagat gttcctgata ttaaaaatgt taaatcgcaa ttataatcta gaattattcc      300
tacaacattg cttccaacaa cacttcctaa tcgacccatc attaaagata tacatactgc      360
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<400> 920

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aaatgtacaa aagggagaag tttctaaaga cgattttaa tctacatgtn cctagtgagt     180
gtgttatatg aaattgctat tgcatattac atacangctt aataaagggt atgggtgattt     240
atttcattta aaggcaatgt atcggtttaa tggtttttaa tttatttttt atttaaatatt     300
aaatagatta attaaaaatc tataaagtga taagaggcct gatatccata atattattga     360
atattaagaa gtgacggata gatctgataa tgtagtagtt ggtatagaca atttacttaa     420
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<210> 921

<211> 500

<212> DNA

<213> *Ctenocephalides felis*

<400> 921

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cgaaaatctc ttgatatgca acaaaaaact ggaactaaat gtacaaaagg agaagtttct     180
aaagacgatt taaattctac atgtacctag tgagtgtgtt atatgaaatt gctattgcat     240
attacataca agcttaataa aggttatggt gatttatttc atttaaaggc aatgtatcgg     300
tttaatgggt ttaaatttat tttttattta atattaaata gattaattaa aaatctataa     360
agtgataaga ggcctgatat ccataatatt attgaatatt aagaagtgac ggatagatct     420
gataatgtag tagttggtat agacaattta ctttaataatt atgagtggca tcattatgca     480
atgatttatc actattattt                                         500
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<210> 922

<211> 500

<212> DNA

<213> *Ctenocephalides felis*

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aaattttaat tccttgcata attgctcacg acattgtttt aaagtgagaa aatctgggtt 180

gggtcctaaa cttgtatcat agccatattt tccaatagtc attaaacat caacaagtag 240

gtttgggcaa ttttctttca catatttgta tagagttgnt gcttcatttg ggtgaacacc 300

atgtttttct atttcaccac ttgtatttat ttgaatcata actcttaatt tatcaccatg 360

aattttatta gctgaatcta attttgacca agcattctgc cactgtcggc taattttaat 420

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<210> 923

<211> 491

<212> DNA

<213> Ctenocephalides felis

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 atttttatac atatttttta tatttaattg cacagatcat tngngtattt attatattaa 180
 ttgactactt tatgataatt ngaatcctaa ttagtctatt caagattggt tncctgggtt 240
 aagccttact tagcaatctc acttttgcac tcttcgccgg gtggcgtggg tatgcatcgc 300
 aactccgttt tatcaaagtg caagccattt ggacaatcat aatgttttat ttgccatttg 360
 ttgntaacca agaaacattg ataatatattt ttacaatctc ttcgatcgga'aaaaacgttt 420

tcacttttgc atgcagtcctg cccgagaaaa atttgggcaa accattcggt gacgtngntt 480
cacatttnag t 491

<210> 924
<211> 398
<212> DNA
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<222> (384)..(384)

<223> n = unknown

<400> 924

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cataatacat gggtcacatg cctagcaatt taagtaacag tntttttatc gggaaaattt      120
gtnaataata aattatngnn gatgtatata tncactacac tngngagncat taatattcta      180
tattttaaatt taaataatac ataaaatcat attttttcta ctaaacaatg caanggatgn      240
cttatatgaa tttggatact cttcatattt aaaacagttt tgtcataatt taagaagttt      300
ccaaaaaaat aagttttata taagggggtt acataattca tcgagattaa cacacactca      360
accatccaat atattaattt atnggattta atatatga      398

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<210> 925

<211> 393

<212> DNA

<213> Ctenocephalides felis

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<223> n = unknown

<400> 925

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ccagtgggat cgagaaataa tcgcacaatt agctgtgttc gtgccctgga ccaatatgta      120
aatggccaag gaggctatgc cactcttgtc aatgggtggag ttggctggaa aaatgtaact      180
ttactcctat cttctcagac tggcaaagga tttaacttct tagttgaaat ttggggatat      240
tagattagaa atataatgaa aatgtgaata tagaaaaaaa ttaaataatac aatagtattt      300
taaatttggc acacatctat ctatgcatcc ataaataaag gttatataca gcattcatta      360
aaaaaaaaat taaaaaaaaa aaaaaaaaaa aaa      393

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<210> 926

<211> 185

<212> DNA

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 ttcaactgtc ttttnaaaca agcaaacttc atnatggnat atgggatttg ctnatncaca 180
 atggt 185

<210> 927
 <211> 423
 <212> DNA
 <213> Ctenocephalides felis

<400> 927
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 gcttgaaaat tgaaaattac tctccattat ttacatgag ataatttatt ttgtttaga 120
 tcaaagatat aagaattagt gataaattta aagaaataag agaacaataa acatattgtt 180

FC-8-C3.ST25.txt

aaatcatcat tttagatttg tttattgaca tcccgttaagt gattagtaat ttgataatga	240
aacatttttaa tataaaatat tatcataaag tatatggcat tatttagacc aagaaatggt	300
ttacttgtat atatgtattt aaaatattta tgtttgtgat tttatttaat gaaataagag	360
ttgcgtcttc gatgcacgta acatcgtttt tatagtaa at gatagattta tgacaaccgt	420
ctg	423

<210> 928
 <211> 433
 <212> DNA
 <213> Ctenocephalides felis

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<222> (231)..(231)

<223> n = unknown

<400> 928

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gttgncaatg atatatcatt gatatagaag gctttttatc agctttttat aaatttcgat      180
aacncagata ttgnttaata aaattacatg tgacccggca atgcttgagg nccctgcata      240
aatatatcttg accccattcg ctgctgatat tgcacacttt gttgggattc atcgttagga      300
ttagaatggc ttgatgcagg tatgggtccc atgccatttg taatatgcaa tccattttaa      360
tgttgagaca tttgatgtat taacataaga ttagggcctg ttgtgggtgc ctattgggtg      420
aggattattc gct                                     433

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<210> 929

<211> 310

<212> DNA

<213> Ctenocephalides felis

<400> 929

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tcttggctat aagttcggtg catgttttgc aagtgatttg tttattgcat ttattcccgt      60
ggcatatctt acatgaatca gagtttgcac tacaatcggt accctgatct gatttgcac      120
ctcgagtaat gacacctttt tcaatttttg aatagcagtc gtcctttgga ttcatacaaa      180
ctttggctct cgtctttcct gcatctttga aacattcggt tcttagttct ggaagttttt      240
gaacgttaca acccgatttc tcgcaacaca ttttttctcg gttagtcgag tcacaacttt      300
ctttaaccgt                                     310

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<210> 930

<211> 171

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (5)..(5)

<223> n = unknown

<220>

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<222> (20)..(20)

<223> n = unknown

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<222> (23)..(23)

<223> n = unknown

<220>

<221> misc_feature

<222> (65)..(65)

<223> n = unknown

<400> 930

tttanaaaaa atttattcan ttnattaaat ggataaaaaat taaaaaaaaat gcgaataacct 60

ttttntccag catttggaag gtcattggtg gtttggttag ataagcaatt cattaattag 120

cttagataat ttttttatat aaacttttat tatatataaa aatttatatg t 171

<210> 931

<211> 371

<212> DNA

<213> Ctenocephalides felis

<400> 931

agtgttatTT atagattatt ataaatttaa tataattgtg tatagtgcct gatgttaaaa 60

taccaacata atttatgcag ataatatatc tttaatgctc acaagacaat atctaatttt 120

tcttaaaaaat acatataata aatatattaa atgttattgt atttttacac aaatgagcta 180

atatttttac aaatatggat aaatttacta ttatataaat attatattag tcactatttt 240

tacaaggatt gtgtatcata atagttaata tttgacataa tcatttaaac acgttggtat 300

aattaatgtt aaactttatg aatgaaaaga aatagaaaat aactatttgt ctataccaaa 360

aaaaaaaaaa a 371

<210> 932

<211> 470

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (13)..(13)

<223> n = unknown

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 cacctaattgt tgacaaagnc ataatacatg atcacatgcc tagcaattta gtaacngtat 120
 ttttatcggg aaaatttgna aataataaat tatagtagat gtatntatnc actacactgn 180
 gagtcattaa tattctatat ntaaatttaa ataatacata aaatcatatt ttttctacta 240
 aacaatgcaa tggatgnctt atatgaattt ggatactctt catattttaa acagttttgt 300
 cataatttaa gaagtttcca aaaaaataag ttttatataa ggnatttaca taattcatcg 360
 agattaacac aactcaacc atccaatata ttaatttatg taatttaata tatgatatta 420
 aataataaaa tacattgagg acagaatact cagatgtaag cagatattag 470

<210> 933
 <211> 412
 <212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (68)..(68)

<223> n = unknown

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<222> (148)..(148)

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<221> misc_feature

<222> (199)..(199)

<223> n = unknown

<400> 933

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ggatttgngc atttcatgac gggtgcaatc agcttctgac gatttctttt tacacatatt    120
tttagaatga tcatatacat agttaggngg gcattcgaaa acctgacctt taccatcttt    180
gcagaataaa gtatcttgng cagctttcgg atctggctga taccctacaa ccgcgcatgt    240
agtttctgcc gcttacagtt ttccccaggt ttgatgagc acatatcatc tacacaaaat    300
ggagcatcgg aatttgagtc tctgcaattg attgttgtaa ttgggggttc ttgtcagcgc    360
acaacttcaa agtagaacia tcgtgacaaa atgttcccaa ctgcttatta gt          412
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<210> 934

<211> 363

<212> DNA

<213> Ctenocephalides felis

<400> 934

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tataaaaaaa atgggatttg ggcatttcat gacgggtgca atcgcttctg acgatttctt    60
tttacacata tttttagaat gatcatatac atagttaggt gggcattcga aaacctgacc    120
tttaccatct ttgcagaata aagtatcttg tgcagtcttt cggatctggc tgatataccta    180
caaccgcgca tgtagtttct gccgcttaca gttttcccag gttttgatga gcacatatca    240
tctacacaaa atggagcatc ggaatttgag tctctgcaat tgattgttgt aattgggggt    300
tcttgtcagc gcacaacttc aaagtagaac aatcgtgaca aaatgttccc aactgttatt    360
agt                                                                 363
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<210> 935

<211> 419

<212> DNA

<213> Ctenocephalides felis

<220>
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 <222> (46)..(46)
 <223> n = unknown

<220>
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 <222> (90)..(90)
 <223> n = unknown

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 agaattggga tttgtgcatt tcatgacggn gcaatcagct tctgacgatt tctttttaca 120
 catattttta gaatgatcat atacatagtt aggtgggcat tcgaaaacct gacctttacc 180
 atctttgcag aataagtatc ttgtgcagct ttcggatctg gctgatatcc tacaaccgcg 240
 catgtagttt ctgccgtctt acagttttcc ccagggtttg atgagcacat atcatctaca 300
 caaaatggag catcggaatt tgagtctctg caattgattg ttgtaattgg ggtttcttgt 360
 ccagcgcaca acttcaaagt agaacaatcg tgacaaaatg ttcccaactg cttattagt 419

<210> 936
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (44)..(44)
 <223> n = unknown

<220>
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 <222> (486)..(486)
 <223> n = unknown

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 gcaaatgtaa attttgtatt tatttagcca aaatttggag atctgtgtgt ttttaggaata 180
 accagaacaa ttttctattt tgtatagtaa atatcatttg ctacatatata aaatactcta 240
 tattatacat actctgttca tttattttaat tttgggtgaca atagtccgat tttccaaaaa 300
 ataacaatat gcttaaaatt acataaaata tactaatttt gtgacaatat ctacaacata 360
 atcttacttg caaaagaaac ataatttaat tgacgaacaa acataaatgt ggacttaaca 420

aaatatttaa acaaaatctt cgaatgcttt ttttcaagca tacatttgag ggataaatat 480
tattgntttt atttctgcta 500

<210> 937
<211> 247
<212> DNA
<213> Ctenocephalides felis

<400> 937
aatataattt tattatataa gaaacatatg tataacaata caaattataa ctatttaaca 60
gtcttcttgt gataatttct tgacggccgt atctgtagac ttgatacac cttttttcgg 120
taagctccag aacacctgat cctgcccga tacgtgagct tcagttagcg ttcccggtaa 180
cttttggtgt aaagtttccg gcaagaacat tccggaagtc gcgcccacca tcatcattac 240
ggaaagt 247

<210> 938
<211> 484
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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<223> n = unknown

<220>
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<222> (92)..(92)
<223> n = unknown

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<223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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 tcaaacgact tatattatat tacataataa caccgaccacn taaaaatttg ntctgaataa 180
 ataaacttca ttaaacataa aactaagatg nattcccaag natcttatat taatttacta 240
 cttgcttaac gtaagataat aatgataaat atttttatat atactattct atcaaaaattt 300
 ctatttcttt gcaattcatt acttcattct tatttttatc tttacaatt taaattccat 360
 gtcagcgccg ggactcgccc gacgatcgag ctaagaaaat ctaggcgnaa attattttta 420
 taaaattatg ctcaataaat tggTTaattt tttaaaaaat caaaagtgtc cggcatgtcg 480
 tccg 484

<210> 939
 <211> 418
 <212> DNA
 <213> Ctenocephalides felis

<400> 939
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 gaattgggat ttgtgattt catgacgggt caatcagctt ctgacgattt ctttttacac 120
 atatttttag aatgatcata tacatagtta ggtgggcatt cgaaaacctg acctttacca 180
 tctttgcaga ataaagtatc ttgtgcagct ttcggatctg gctgatatcc tacaaccgcg 240
 catgtagttt ctgccgtctt acagttttcc ccaggttttg atgagcacat atcatctaca 300
 caaaatggag catcggaatt tgagtctctg caattgattg ttgtaattgg ggTTtcttgt 360
 ccagcgcaca acttcaaagt agaacaatcg tgacaaaatg ttcccaactg cttattag 418

<210> 940
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 940
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 tgatttatatt catttaaagg caatgtatcg gtttaatggt tttaaattta ttttttatatt 120
 aatattaaat agattaatta aaaatctata aagtgataag aggcctgata tccataatat 180
 tattgaatat taagaagtga cggatagatc tgataatgta gtagttgtta tagacaattt 240
 acttaataat tatgagttgc atcattatgc aatgatttat cactattatt tattcaacat 300
 tttatttaac tgcttgcaac ttttaataaa acgcattttt tattgtttta agtataaatc 360
 ttattagggc acaatatgaa aataaaaata agaactttat acaaaagctt tttttataca 420
 atatgcttct tgcgctatta agttaagaaa ttttatttat gcttgtaaaa aacaataaat 480
 gctttattta aaaaaaaaaa 500

<210> 941
 <211> 464
 <212> DNA
 <213> Ctenocephalides felis

<400> 941
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 ctaataacaa taaagagtta ttaattttca tgcgatggt ttagaaaatg attcagtagc 120
 aacttctgaa ttttctttgt aattgataat actttctcaa agtataattg catttcacaa 180
 cacacgacgg aaatatgggt atgggccata tgaagcaatg ctggttcttc tatccacttg 240
 cttctgataa atgttcggta taaagaatgc aatcactcca catgctatca gagatgttcc 300
 tgatattaaa aatgttaaat cgcaattata atctagaatt attcctacaa cattgcttca 360
 acaacacttc ctaatcgacc catcattaaa gatatacata ctgccattgc ctgagttgtg 420
 tagggctgaa aggccattaa ttataataa ttattttaat ttgg 464

<210> 942
 <211> 496
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (90)..(90)
 <223> n = unknown

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<220>
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<222> (170)..(170)
<223> n = unknown

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tttaattttt atacatatatt tttatatatta attgcacaga tcatttgtgn atttattata      180
ttaattgact actttatgat aatttgaatc ctaattagtc tattcaagat tgttttcctg      240
gtttaagcct tacttagcaa tctcactttt gcattcttcg cggggtggcg tgggtatgca      300
tcgcaactcc gttttatcaa agtgcaagcc atttggacaa tcataatggt ttatttgcca      360
tttgttgtta accaagaaac attgataata ttttttacia tctcttcgat cggaaaaaac      420
gttttcactt ttgcatgcag ttctgcacga gaaagatttt ggggtcaaacc attcgtgacg      480
cgcttcacat ttcagt                                     496

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<210> 943
<211> 340
<212> DNA
<213> Ctenocephalides felis

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<222> (9)..(9)
<223> n = unknown

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<220>
<221> misc_feature
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<223> n = unknown

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<220>
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<223> n = unknown

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cgattactac agtattatat ttataatatg ttcaatatcg cactgtgggc caattttatt      120
ttgaccaaag gtttatgtaa gaatccaggt tttcttgatc atgtaaaatg ttgggtccatt      180
atcttaaatt aaaaaaatta ttatattcag aatgatatat aatccattca acttttctaaa      240
acgaacaaga aatctgcgcc acgtctgata tctgtgaata tgtattgtat ttaatatata      300
tgттаagtgt ttaaaaatat atttctattt catatacttg                                     340

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<210> 944
 <211> 324
 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

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 atcaaaatta ttcattttac gcttaatttt attggttgaa ctaatagata gatagataaa 180
 gatatagagt taatataaaa atgaagaaaa taaaattaaa agtaagaaat aatacggact 240
 tctaaatgta gggggaagtc ccctagtggc ggacacctaa agttatttat aaataaatca 300
 aaaaaaaaaa aaaaaaaaaa aaaa 324

<210> 945
 <211> 213
 <212> DNA
 <213> Ctenocephalides felis

<400> 945
 ttcatgcaaa gaacttcata ataaagcaat atttaa atga ttgattttgt tgtgtaatta 60
 agtaatgttg aatatacaag tgttttagtta aatgttttgt ttcaattcag aagacgtctg 120
 atttgcaaac agctttgagt aattgcacta taaaatgtat aaacgtcagc ttaaaattat 180
 gtcaatgttt atcatgcact tgtaaattaa ggt 213

<210> 946
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 946
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 aaagtgaaaa cgttttttcc gatcgaagag attgtaaaaa atattatcaa tgtttcttgg 120
 ttaacaacaa atggcaaata aaacattatg attgtccaaa tggcttgac tttgataaaa 180
 cggagtgtcg atgcataccc acccccggc gaagaatgca aaagtgagat tgctaagtaa 240
 ggcttaaacc aggaaaacaa tcttgaatag actaattagg attcaaatta tcataaagta 300
 gtcaattaat ataataaata cacaaatgat ctgtgcaatt aaatataaaa aatatgtata 360


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aaaattaaaa tgtataaaat tgtattttat gtaaggagca caaacaaaat gtcattaact      420
atagtaatttt ctgattatatt aaaatatata aatatagaag ctttatgaaa ttcatgtatc      480
tttttaataa aaataaatcg                                                    500

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<210> 947
<211> 500
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<220>
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 <222> (406)..(406)
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<220>
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<220>
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 ccttnttgta ttaaaatata tgtatatatta tgaatatgna tttcttgat tttagggttaa 180
 attcnctata gaataatttg gaaatacata ttcataatgc taaagtatta aattggcttt 240
 tttccattaa aatcctattt aacattatac atatatttta ttgtcaaatg tgaggcggtta 300
 tggaatcacg ggtggctgct ttctgagtag tcgaaccttt taggcaaaaa ttgtgtagat 360
 caaactcant tctacaatct tgagctcatn ccattctcag aacatncatg tattttaagtt 420
 aacttattgn atttaacagc tnttgaggaa atactgtgaa tatgtttaag ataaatacaa 480
 gngaaattgg cggcatctaa 500

<210> 948
 <211> 328
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

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ttaaataac aactagcagc agccagagtt tcaactgatg ttggcattaa agtaggagaa	120
gccctcagga atgtcgtgga acttcgttta aatttgggaa aatgttcttc agacaatttg	180
aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg catcgtgtga	240
aattgtaact tgaaataatt tttcttaact attagtttta tagatgaaca aatacataat	300
ctaataaacc agcaagtga ctaaaaaa	328

<210> 949
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 <212> DNA
 <213> Ctenocephalides felis

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gcttaaaactt tgcgtattat gtaaaattaa aatatacaaa aaatataactt tgagtaaata	120
tgttgtcaat gatatatcat tgatatagaa ggctttttat cagcttttta taaatttcga	180
taacacagat attgataaat aaattacatg tgacccggca atgcttgagg ccctgcataa	240
atatatttga ccccatctgc tgctgatatt gcacactttg ttgggattca tcgttaggat	300
tagaatggct tgatgcagg atgggtccca tgccatttgt aatatgcaat ccatttaa	360
gttgagacat ttgatgtatt aacataggat tagggcctgt tgtgggtgcc tattgggtga	420
ggattattcg ctagggacat ttgagaactg ttctgaatca attgcatttg tggctgactt	480
tgatttacta ttgctgatag	500

<210> 950
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 <213> Ctenocephalides felis

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atgttctaga aatcaaagtg taaagttcaa ggtttgtata gcttaataaa gtaaacattt 120
taaaatgtaa tgaatttatc tgcaaatagt caaaatcaaa attactatat aatgattatt 180
gaaataatgc ttttatagat tgcatttcaa tctgtattaa attgtatgta aatcacagca 240
caagatctaa cacacaattc atctaacaga aagaacaaaa taattttaat gttattaaaa 300
attacatata aaataacttt tacaataaag taaccttaca tgagatgtgt tgatttcaga 360
tacttttcat acaacagtgc tttctgttaa acaatataat ataaataacg gtcttgccgg 420
cgggcgctcg aaagccgatt ttacaaaatt canggcgcaa gggctgctaa ngaagcggga 480
cacgtagaaa gccagtcgc 500

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<210> 951
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<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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 <223> n = unknown

<220>
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 <223> n = unknown

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 ncataatata tgatcacatg cctagcaatt tagtaacagt atttttatcg ggaaaatttg 120
 taaataataa attatagtag atgtatntat aactacact gngagncatt aatattctat 180
 ntntaaattt aaataatata taaaatcata ttttttctac taaacaatgc aatggatgtc 240
 ttatatgaat ttggatactc ttcataattt aaacagtttt gcataattta agaagtttcc 300
 aaaaaaataa gttttatata agggntttac ataattcatc gagattaaca cactcaac 360
 catccaatat attaatttat gtaatttaaat atatgatatt aaataataaa atcattgngg 420
 acagaatctc agatgtaagc agatattag 449

<210> 952
 <211> 487
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 agctctgtta tatcttgttg aaatgcagcg ttggactgtc ttatcaccga ggtgtttcca 120
 acaaatttga gggctactgg tgtggcaata tctatggtag ctgctcgact tggaggcata 180
 attggcaatg tggttaattgc aactttatta gacatgtatt gccagcccca acatttattg 240
 tagcactact attggctgga ggtggctgat gtgtctattt ttgcctaaca cgaccaggga 300
 accactttca taagaaaagc tcatcatata acagtcaggc gatataataa atatatttat 360
 tcttctgctc catcccaaaa acttgatttt gaaattcaaa tcttataaaa taatgagttt 420

tcttagaaaa atgttataaa taattatcct aaagcattca taaatttcat taatgatgac 480
 ttcgtat 487

<210> 953
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 953
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 atggaatagt agaaatctat ccaagagctt tcgataattt gattgacttg agattttattg 180
 acttgacaca taatctactt actttcttac ctgcaacgtc ttccaaaata atgatcattt 240
 ggatgttatt aaaatttcta acaaccgaa tctcatgaat ttgcctagat ttcattcaaa 300
 tttgtcatcg ttaccactt atatgtttga agcagtaaata tgcggattac ttagcttaga 360
 caaacatata tttgctgaaa tgccttccat ggcgcaactg aatttagctc agaactcgat 420
 caaagattta aaatataata ttttctggca tatgcgcaat ttaatcagct tagatttgag 480
 taataataaa atcaacaaac 500

<210> 954
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 <212> DNA
 <213> Ctenocephalides felis

<220>
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<222> (199)..(199)

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<223> n = unknown

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gaaagcaaatt ctnttataaa aatattaatg cacttatgtc aatagtttca tatagtattg 120

ccaggaaaag ctaagtatta agtataatat atttagttat tcttaaacad atgttgntgn 180

tggttttgata aaagctggnc ttaaaatgac tttatataca gcaattatct tcaataatcc 240

tttccacaat tttgctcggn gtgttttagt ttgctcaaatt ctatgggtgt attgntttcc 300

acatatgtct taattttctt catcaattcc gatgatgggt tttgctcacg tgtgagaatc 360

caagctaatt catttttcct cgtggatgaa ttgngcagct ccacacaata gcaaatttat 420

caaatcgct ttttagt 437

<210> 955

<211> 419

<212> DNA

<213> Ctenocephalides felis

<400> 955

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ctgctcttgt cgcaaacaca tctaactatg ctgtcgccgc tcgtgaagct tccatttaca 120

ccggtatcac tctcagtga tacttccgtg atatgggtta caacgtatct atgatggctg 180

attccacttc tcgttgggct gaagctttga gagaaatttc aggtcgtttg gctgaaatgc 240

ctgccgatcc cggttatcca gcgtacttgg gagctagggt ggccctcttc tacgaacgtg 300

ctggccgtgt aaaatgtttg ggtaatcctg aacgtgaagg ctgagtatca attgtaggag 360

ctgtatcacc gccgggtggtg acttctcaga tccgtcactt cagctacatt gggtattgt 419

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 <212> DNA
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 gagaggctcc gtttcgccaa attctattcg aattgcatca ttcaagagcg ggatttttgc 180
 cacgagcgat tgatctgnat gtttggtatt atcacatttc atagtgnatga ttctacttc 240
 ggcgtgatgt ctactccatt tagtttctgt aaactctacc agaggatcga ggntttcgcc 300
 tcgttctaaa cttgctactt ctaacgcaaa atcgggtctat tataaaattg tggacattga 360
 tggccgaatc gtccattggt tcaaccatgt caccaagtgg cctaggtata taattcggcc 420
 gcactaagt 429

<210> 957
 <211> 387
 <212> DNA
 <213> Ctenocephalides felis

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 acgacacctt cgagaaggcc aattcaaaaa tgcaagtttt gaccaaattg gacgacgaag 120
 atccaaaata tcagatgaag aacatcacat aaatcaatca aagtgattta atttaaataa 180
 tccattattg tgcaaagaca attgtaaata aaagataaga actttgtcat caagagtga 240


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cttgtcatgg tgtttgctta aagatttgtg agtgatttta tttttgacat acacgtggaa      300
gtgaatttgt tagtttaaga ttttaattcta atttaattta gtgtaattgt tgtaattaat      360
tatttttaag atgcttaaata aggttttg                                          387

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<210> 958
<211> 347
<212> DNA
<213> Ctenocephalides felis

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<220>
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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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cntnentaat ttaaatcaaa attaaattcg agtaacaaaa gtngtaaaca aatagaatta      180
gttctaattt acttatncct aaactaattc agataagttg agtagatcgc attttctttt      240
aatttaataa aaaaaattat gaggnattaa atatttcaca tattgntttt aaatgtttca      300
gatatcttat acaagtttgn acactattat tacaaagatt tcgcttg                      347

<210> 959
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
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<220>
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<222> (63)..(63)
<223> n = unknown

<220>
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<222> (217)..(217)
<223> n = unknown

<220>
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<223> n = unknown

<400> 959
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gcngaactgc atgccaaaag tgaaaacgtt ttttccgatc gaagagattg taataaatat      120
tatcaatggt tcttggttaa caacaaatgg caaataaaac attatgattg ccaaatggct      180
tgcactttga taaaaccgga gttgcgatgc ataccncgc ccccgcgaa gaatgcaaaa      240

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gtgagattgc taagtaaggc ttaaaccagg aaaacaatct tgaatagact aattaggatt	300
caaattatca taaagtagtc aattaatata ataaatcacn aatgatctgt gcaattaaat	360
ataaaaaata tgtataaaaa ttaaaatgta taaaattgta tttatgtagg agcacaacca	420
aatgcattaa ctatagtaat ttctgttatt taaaatatat aatatagaag cttatgaatt	480
aaaaaaaaaa aaaaaaaaaa	498

<210> 960
 <211> 453
 <212> DNA
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<220>
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 <222> (15)..(15)
 <223> n = unknown

<220>
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 <222> (30)..(30)
 <223> n = unknown

<220>
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 <222> (192)..(192)
 <223> n = unknown

<220>
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 <222> (410)..(410)
 <223> n = unknown

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tttcatatag tattgccagg aaaagctaag tattaagtat aatatattta gttattctta	180
aacatatggt gntggtgttt tgataaagct gtgtcttaaa atgactttat atacagcaat	240
tatcttcaat aatcctttcc acaattttgc tcggtgtgtt ttagtttgct caaatctatg	300
ggtgtattgg ttccacata tgtcttaatt tctttcatca attccgatga tgggttttgc	360
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 <212> DNA
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 atcttttgnta tgaaaataaa tattttacta taactaattt tagatagatc gatttatcta 180
 tgtcgtgcct ttttaaagt tgntaaattt aaataaaca acataatgat aatatatatt 240
 aaaaaatata aatctgtgat aaaataaaga aaaatgttaa cactatttta gtcttttctt 300
 cttggctttc atctttttct ccacgcttc cattttcatg tcttctaaat cttccattat 360
 tccaattttt ttactaatat attcttctct cataacttga gcaaagtttg attccatatt 420
 tatatcatca tcatcttcgc ccggnatctt gtttgcata ccgaatatat ctttaatgna 480
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<210> 962
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (406)..(406)
 <223> n = unknown

<400> 962

FC-8-C3.ST25.txt

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catccaaaat gtaatactta tagtctcctg gggcttccaa atatttgaga ccgttttctt	120
ctttaatagg ccaagaattt gcttttgctc tctcaagagc ttcacgagat ctgattgtga	180
tgctctctaaa gtcattacct ttttcatagc tttttattcc ataattgtaa gtcaattoga	240
ttacaaaatg atcatcttct gatccataac caatcattgt tttgctccag cggtttgcat	300
agggggccatt gcaagcggct tcacaacctt cactgaattc ttcattgacgc aataccttca	360
ttgcaagtca tccttataga atttataggt tagtcttctt tctggnattt taaaaacaaa	420
atgtaaagct cgccgcttat catttttaat aatcaattca cgcgatttaa taaattatta	480
agaaacttca acttattaac	500

<210> 963
 <211> 454
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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 <222> (26)..(26)
 <223> n = unknown

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cgggtgcaatc agcttctgac gatttctttt tacacatatt tttagaatga tcatatacat	180
agttaggtgg gcattcgaaa acctgacctt taccatcttt gcagaataaa gtatcttggtg	240
cagctttcgg atctggctga tatctacaaa cccgcgcgatg tagtttctgc cgtcttacag	300
ttttccccag gttttgatga gcacatatca tctacacaaa atggagcatc ggaatttgag	360
tctctgcaat tgattgttgt aattgggggt tcttgtcagc gcacaacttc aaagtagaac	420

aatcgtgaca aaatgttccc aactgcttat tagt

454

<210> 964
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 <212> DNA
 <213> Ctenocephalides felis

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<220>
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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (343)..(343)
 <223> n = unknown

<400> 964
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 tattatttct atcgattcct gaaaaattta cgttgttttg gtgaaagngc atttattcgt 120
 tacatttctg ataacttaaa aactatttgc ggaaaactaa aaatatgttt ggagaaaata 180
 tagaaaattg aatagtctaa aacattttcc taacatagga agaccctaca gcaactcggn 240

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ataactcaaaa aagtttgntg aaaagttgat aaatattcac agcgcttcac tgttttggtc	300
ttgagtttag gaaaagtgca tttatttata acttttgaac ggnttatttg attgaaatga	360
aatattcggc aaatttatag aaaattaaat aatctacaaa tttttctttt accgcaacag	420
aaaccacaaa atattccctt cgctaatacg ggtaaacatc acaaaatgta tcgaatcaat	480
atTTTTTTTaa attgaaattg	500

<210> 965
 <211> 448
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (361)..(361)
 <223> n = unknown

<220>
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 <222> (373)..(373)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (383)..(383)
 <223> n = unknown

<400> 965	
cctaagcaca ttattacata ttttcatcga cccaataaca tcaaacgtcg cctgtcaatt	60
aaaaatatca acagcatcac atctaagctt acctagatat actttcatta ttttgtaatt	120
actttttttt tgtcgaatta ttatacaaat gtgaaaattt aatttaattgt atttaatatata	180
atattccgaa tgttgccaat actcaaaagt ttgaatagca ctgttactgt gtgaatcgcc	240
tggtgaaaaa aactagaatt tatttacaaa atgggtctagt gcaaaattta gagacacgta	300
acttacaaca gccccaaaag agcgctagag caaaacacca cgcgatttat acagtaattg	360
ntctgtgcat tgntatctat tgnatgtgtg acttaagttg tatacatggc ttcataaggc	420
aacaataaac aagttaatat cgttttgt	448

<210> 966
 <211> 370
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (344)..(344)

<223> n = unknown

<400> 966

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ggcaatggca gttgtatata tttaatgatg ggtcgattag gaagtgttgt tggaagcaat      60
gttgtaggaa taattctaga ttataattgc gatttaacat ttttaataac aggaacatct      120
ctgatagcat gtggagtgat tgcattcttt ataccgaaca tttatcagaa agcaagtgga      180
tagaagaacg agcatgcttc atatggccat aaccatattt ccgtcgtgtg ttgtgaaatg      240
caattatact ttgagaaagt attatcaatt caaagaaaat tcagaaagtt gctactgaat      300
cattttctaa aacatcgaca tgaaaattaa taactcttta ttgntattag attcgatgta      360
agatatatgt                                     370

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<210> 967

<211> 416

<212> DNA

<213> Ctenocephalides felis

<400> 967

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ggtcgcaatt tgtcattgca ccaagcataa attgatgggt ccggtgcata gggtataaaa      60
gaattgggat ttgtgcattt catgacgggt caatcagctt ctgacgattt ctttttacac      120
atatTTTTtag aatgatcata tacatagtta ggtgggcatt cgaaaacctg acctttacca      180
tctttgcaga ataagtatct tgtgcagctt tcggatctgg ctgatatcct acaaccgcgc      240
atgtagtttc tgccgtctta cagttttccc caggttttga tgagcacata tcatctacac      300
aaaatggagc atcggaattt gagtctctgc aattgattgt tgtaattggg gtttcttgcc      360
agcgcacaaac ttcaaagtag aacaatcgtg acaaaatgtc ccaactgctt attagt      416

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<210> 968

<211> 379

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (159)..(159)

<223> n = unknown

<220>

<221> misc_feature

<222> (211)..(211)

<223> n = unknown

<220>

<221> misc_feature

<222> (213)..(213)

<223> n = unknown

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<400> 968
tatcttcatc gaatctaata acaataaaga gttattaatt ttcattgtcga tgttttagaa      60
aatgattcag tagcaacttc tgaattttct ttgtaattga taataactttc tcaaagtata      120
attgcatttc acaacacacg acggaaatat gggtatggnc catatgaagc aatgctcggt      180
cttctaccca cttgcttctg ataaatggtc ngnataaaga atgcaatcac tccacatgct      240
atcagagatg ttcttgatat taaaaatggt aaatcgcaat tataatctag aattattcct      300
acaacattgc ttccaacaac acttctaate gacccatcat taaagatata catactgcca      360
ttgectgagt tgtgtaggg                                     379
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<210> 969
<211> 500
<212> DNA
<213> Ctenocephalides felis
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<220>
<221> misc_feature
<222> (374)..(374)
<223> n = unknown
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<220>
<221> misc_feature
<222> (432)..(432)
<223> n = unknown
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<400> 969
atgcacgcta ttcaaatttc aactgatctt attaatacag tcttgaatca catacagact      60
cctcatatgt ataatcacat ataatgtttc ataagcctta attgaaatgg aattttaaatt      120
gaaatggtga tccatgatgg aagtgatgga acggtgaacc accgccccct ctgtgattat      180
ttgcagattc tggatctaaa gggatcttca ccgttgtcaa actgagctct tttctcagga      240
tcagtaagaa cctcttttagc agcagcaata tctataaaat tattctctgc tattttcttt      300
tcatcatctt tgaaattatc aggatgccat ttttgtgctg cttttcgata agctttaatg      360
atctcttgct ttgnagctgg tctttttaca cctagaattt tataatagtc tcttctctca      420
gcttgctttt gnaacctctg agccttcaaa agcccatctt tcgctctctg atcatgctca      480
tttatttcca aagctgatta                                     500
```

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<210> 970
<211> 341
<212> DNA
<213> Ctenocephalides felis
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<220>
 <221> misc_feature
 <222> (12)..(12)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (288)..(288)
 <223> n = unknown

<400> 970
 ctttaaaatt gnaacatcta tataatatgaa atcatgatcg gctccctggg ttattttctat 60
 cgattactac agtatttatat ttataatatg ttcaatatcg cactgtgggc caatttttatt 120
 ttgaccaaag gtttatataa gaatccaggt tttcttgatc atgtaaaatg ttgggtccatt 180
 atctttaaatt aaaaaaatta ttatattcag aatgatatat aatccattca acttttctaaa 240
 acgaacaaga aatctgcgcc acgtctgata tctgtgaata tgtattgnat ttaatatata 300
 tgttaagtgt ttaaaaatat atttctatatt catatacttg t 341

<210> 971
 <211> 447
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (76)..(76)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (119)..(119)
 <223> n = unknown

<400> 971
 agctcttggg nttgaccttg gcgggcgcccg gcagacacgg tgcattgtat tgcccaacat 60
 aaattgatgg gtccgngcat agttataaaa gaattgggat ttgtgcattt catgacggng 120
 caatcagctt ctgacgattt ctttttacac atatttttag aatgatcata tacatagtta 180
 ggtgggcatt cgaaaacctg acctttacca tctttgcaga ataagtatct tgtgcagtct 240
 ttcggatctg gctgatatcc tacaaccgcg catgtagttt ctgccgtctt acagttttcc 300
 ccagggttttg atgagcacat atcatctaca caaaatggag catcggaatt tgagtctctg 360
 caattgattg ttgtaattgg ggtttcttgt cagcgcacaa cttcaaagta gaacaatcgt 420

gacaaaaatgt cccaactgct tattagt

447

<210> 972
 <211> 370
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (36)..(36)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (43)..(43)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (172)..(172)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (307)..(307)
 <223> n = unknown

<400> 972
 aaaagaattg ngacttaggn cctagaaata caaagngtaa agntcaaggt ttgtatagct 60
 taataaaagta aacatttttaa aatgtaatga atttatctgc aaatagtcaa aatcaaaaatt 120
 actatataat gattattgaa ataatgcttt tatagattgc atttcaatct gnatttaaatt 180
 gtatgtaaat cacagcacia gatctaacac acaattcatc taacagaaag aacaaaataa 240
 ttttaatggt attaaaaatt acatataaaa taactttttac aataaaagtaa ccttacatga 300
 gatgtgntga tttcagatac ttttcataca acagtgtctt ctgtataaac aatataatat 360
 aaataacggt 370

<210> 973
 <211> 480
 <212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (357)..(357)

<223> n = unknown

<400> 973

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cacaactcag ggcaatgggc agtatgtata tctttaatga tgggtcgatt aggaagtgtt      60
gttgggaagca atgttgtagg aataattcta gattataatt gcgatttaac atttttaata      120
tcaggaacat ctctgatagc atgtggagtg attgcattct ttataccgaa cttttatcag      180
aagcaagtgg atagaagaac cgagcattgc ttcatatgga ccataaccat atttccgtcg      240
tgtgttggtga aatgcaatta tactttgaga aagtattatc aattcaaaga aaattcagaa      300
gttgctactg aatcattttc taaaacatcg acatgaaaat taataactct ttattgntat      360
tagattcgat gtaagatata tgtacatact cataggtaaa aaatgttaat gccgcaatgt      420
caaaattatt aagagaataa ataaatactt aaaatataaa aaaaaaaaaa aaaaaaaaaa      480
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<210> 974

<211> 397

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (27)..(27)

<223> n = unknown

<220>

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<222> (36)..(36)

<223> n = unknown

<220>

<221> misc_feature

<222> (64)..(64)

<223> n = unknown

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<222> (88)..(88)

<223> n = unknown

<220>

<221> misc_feature

<222> (127)..(127)

<223> n = unknown

<220>

<221> misc_feature

<222> (194)..(194)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (230)..(230)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (331)..(331)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (355)..(355)
 <223> n = unknown

<400> 974
 gggggcctct tgggccaaaa ttcagcngga ttccgncccc ttcgaaaagc caattccaaa 60
 atgncagggt tggcccaatt agacgccnag atccaagtcc cagatgagaa catccataaa 120
 tcaatcnaag gtgattaatt taaatatcat tattggtgcc aagaccattg taataaaaaga 180
 taagaacttt gtctcagag tggacttgct atggtgttgc taagattgtn gtgtttat 240
 tgcacacgt ggagtgattg tagtttaaga ttaattctat ttatttagtg tattgtgtat 300
 ttattttttt aagatgctta atagggtgtc ntattgtgag tcaagtgtaa tggtncttga 360
 tccaattaga aattaaaaaa aaaaaaaaaa aaaaaaa 397

<210> 975
 <211> 496
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (36)..(36)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (48)..(48)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (104)..(104)
 <223> n = unknown

<400> 975
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 aggtggggaa cattttgccc gattgttcta cttttgaagt gggngcgctg ggacaagaaa 120

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```

cccccaattac aacaatcaat tgcagagact caaattccga tgctccattt gtgtagatga      180
tatgtgtctca tcaaaacctg ggggaaaact gtaagacggg cagaaactac atgcgcgggtt      240
gtaggggatat caagccagat ccgaaagact gccaagatac ttattctgca aagatggtaa      300
aggtcaggggt ttttcgaatg cccacctaac tatgtatatg atcattctaa aaatatgtgt      360
aaaaagaaat cgtcagaagc tgattgcacc gtcatgaaat gcacaaatcc caattctttt      420
ataacctatg caccggccca tcaatttatg cttgggtgca tgacaaattg caccgatcgt      480
ctgaaatgtc aaacca                                     496

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<210> 976
<211> 373
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (86)..(86)
<223> n = unknown

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<220>
<221> misc_feature
<222> (88)..(88)
<223> n = unknown

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<220>
<221> misc_feature
<222> (92)..(92)
<223> n = unknown

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<220>
<221> misc_feature
<222> (127)..(127)
<223> n = unknown

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<220>
<221> misc_feature
<222> (157)..(157)
<223> n = unknown

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<220>
<221> misc_feature
<222> (247)..(247)
<223> n = unknown

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<220>
<221> misc_feature
<222> (345)..(346)
<223> n = unknown

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<220>
<221> misc_feature

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<222> (358)..(358)

<223> n = unknown

<400> 976

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tggatttatc ttttatccat ccagcncnga anggggataa aaaataccca tagaaatctt 120

ttcaggnatg gccatttata cattttttta ttacagncat caaaaaaata gtatttctat 180

gttattttttc aaaatctata cattgataag ggtagaaaat ttgttcggtt aattttcagg 240

ctgaggntgc tactgtagta atagaacaat ttaataatc taaaatttgt taatctattc 300

atttaatcat tcaatagtaa atttcctttt ggaatttcca atggnnnggca ttacgggnaa 360

caaaagcttc tcg 373

<210> 977

<211> 328

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (35)..(35)

<223> n = unknown

<220>

<221> misc_feature

<222> (66)..(66)

<223> n = unknown

<220>

<221> misc_feature

<222> (120)..(120)

<223> n = unknown

<220>

<221> misc_feature

<222> (132)..(132)

<223> n = unknown

<220>

<221> misc_feature

<222> (142)..(142)

<223> n = unknown

<220>

<221> misc_feature

<222> (198)..(198)

<223> n = unknown

<220>

<221> misc_feature

<222> (221)..(221)

<223> n = unknown

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<220>
<221> misc_feature
<222> (295)..(295)
<223> n = unknown

<400> 977
tttttttttt tttttttttt tttttattga acggnccaaa cgatttattt ttattaaaaa      60
gatacntgta atttcataaa gcttctatat ttatatattt taaataatca gaaattactn      120
tagttaatga cnttttggtt gngctcctta cataaaatac aattttatac attttaattt      180
ttatacatat tttttatntt taattgcaca cgatcatttg ngatatttatt atattaattg      240
actactttat gataatttga atcctaatta gtctattcaa gattgttttc ctggnttaag      300
ccttacttag caatctcact tttgcatt                                           328

<210> 978
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (425)..(425)
<223> n = unknown

<220>
<221> misc_feature
<222> (479)..(479)
<223> n = unknown

<220>
<221> misc_feature
<222> (484)..(484)
<223> n = unknown

<400> 978
taatgtcgta gaaggtgaaa aactgcgagt tgtttgcaca gttgtaggca aacctacacc      60
aacagtgtca tggaaagtta ttaatgagac ttatgacgaa tcatccgata gaatcaaatt      120
gttagatcat gacaatatac caaattctgc tttggaaatt gatttggctg aaaaaagcga      180
tcgaggagaa tatacatgta ttgctactaa tcaaggcatt ggaattactg ttaattctac      240
aaccttggtt cgagttcaag ataaattagc tgcttgtggc catTTTTTggg tatctgtgct      300
gaagtaataa ttttatgcgc gattattctc atttatgaaa agaaacgcac aaagctgaaa      360
tggaggagag tgatacagat caaagtcaga tcgaaaaaat cttctgatca catgaaggac      420
actgntgtga ggcattgaag taaccctaaa tttaatctag ttggataaag ttatgcceng      480
agtngaagta tccaagag                                                         498

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<210> 979
 <211> 122
 <212> DNA
 <213> Ctenocephalides felis

<400> 979
 taattaattt taaaaaatta aggatagaaa ccaacctggc ttaaaccggt ttgaactcag 60
 atcatgtaag aattaatggt cgaacagacc aaattttaaa acttctgcat tttaaaatta 120
 tc 122

<210> 980
 <211> 478
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (10)..(10)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (69)..(69)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (127)..(127)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (242)..(242)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (313)..(313)
 <223> n = unknown

<400> 980
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 ataaagctnc tatatttata tatttttaa atcagaaat tactatagtt aatgacattt 120
 tgtttgngct ccttacataa aatacaattt tatacatttt aatttttata catatttttt 180
 atattttaatt gcacagatca tttgtgtatt tattatatta attgactact ttatgataat 240
 tngaatccta attagtctat tcaagattgt tttcctgggt taagccttac ttagcaatcc 300
 cacttttgca ttnttcgccg ggtggcgtgg gtatgcatcg caactccgtt ttatcaaagt 360

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gcaagccatt tggacaatca taatgtttat ttgccatttg tgtaaccaa gaaacattga 420
taatatTTTT tcaatctctt cgatcggaaa aaacgtttca cttttgctgc agttctgc 478

<210> 981
<211> 210
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (13)..(13)
<223> n = unknown

<400> 981
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ggtccgcaat tatgacgtaa cggatcatat gcaaaatttg cggggcaata atattggggtt 120
cctatactat tttcgtcaca ataataatag ctttgacaat catttatatt tggataaaat 180
ctcgatgggtg acggacattt gaaaccttgt 210

<210> 982
<211> 385
<212> DNA
<213> Ctenocephalides felis

<400> 982
cctacacaac tcagggcaat ggcagtatgt atatctttaa tgatgggtcg attaggaagt 60
gttggttgaa gcaatgttgt aggaataatt ctagattata attgcgattt aacattttta 120
atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat 180
cagaagcaag tggacagaag aacgagcatt gcttcatatg gaccataacc atatttccgt 240
cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcaattcaaa gaaaattcag 300
aagttgctac tgaatcattt tctaaaacat cgacatgaaa attaataact ctttattgtt 360
attagattcg atgtaagata tatgt 385

<210> 983
<211> 167
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (80)..(80)
<223> n = unknown

<400> 983

FC-8-C3.ST25.txt

ctgcatacca gtcagactgt ttaggtgcaa gtgtcacttc ttcccatcc ataccatcct 60
taccatcctt accatctttn ccaaccttgc caacatcttc cccaacagca ggatttcctt 120
ttggccgaaa atctcttgat atgcaaacaa aaactggaac taaatgt 167

<210> 984
<211> 210
<212> DNA
<213> Ctenocephalides felis

<400> 984
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gggccgcaat tatgacgtaa cggatcatat gcaaaatttg cggggcaata atattggggtt 120
cctatactat ttctgtcaca ataataatag ctttgacaat catttatatt tggataaaat 180
ctcgatggtg acggacattt gaaaccttgt 210

<210> 985
<211> 481
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (56)..(56)
<223> n = unknown

<220>
<221> misc_feature
<222> (195)..(195)
<223> n = unknown

<220>
<221> misc_feature
<222> (468)..(468)
<223> n = unknown

<400> 985
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tcataaagct tctatattta tatattttaa ataatcagaa attactatag ttaatgacat 120
tttgtttggtg ctctttacat aaaatacaat tttatacatt ttaattttta tacatatattt 180
ttatatttaa ttgncagat catttgtgta tttattatat taattgactc tttatgataa 240
tttgaatcct aattagtcta ttcaagattg ttttctggt ttaagcctta cttagcaatc 300
tcacttttgc attcttcgcc gggtggcgtg ggtatgcac gcaactccgt tttatcaaag 360
tgcaagccat ttggacaatc ataatgtttt atttgccatt tgttgttacc aagaacatt 420
gataatattt ttacaatct ctctgatcgg aaaaacgttt cacttttnat gcagttctgc 480

a

481

<210> 986
 <211> 360
 <212> DNA
 <213> Ctenocephalides felis

<400> 986
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 ttgatctggg ctacaggatt ccttaaccgg atctgtcctt atttccggac aatactgcat 120
 ttcgggtgaa ctgcacgaat tcacgcaact aaattttact tttttacatt tttgctcggg 180
 tttcgggtaca ggtgtaggtt caggagtagg tactactcct ggtgcgggct catccaatga 240
 tgcaaatcct ctttattttac tgttaaaggc gttccgcgac attaaactca ccatcataag 300
 cggtaacgac agataacgcc caaaactaat aaaaaccaat gtgatataaa acatttctaat 360

<210> 987
 <211> 489
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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 aaccatctgc aggaggntgt tcatatgtat cttgacctgc atcgaaacct ttgcttggaa 180
 gttcatcgcc aaaggggtgaa tcaagnttga attctttgcc atcgcttctt ttcagagtat 240
 ctgntactgg attaaaatct aagcggccag caattgatag agctgtgact aattcaggac 300
 ttgtgacaaa acagtgagtg gcnggattag catcattacn gcctgtgaaa tttctattat 360
 atgaagtaac aattggggtt tctctctttc ttcacatcct tacganccca ctgccgatgc 420
 aaggccacag gcattggctt aaacagtgcc ccaaattcac cggagagggtt gggcaattcc 480
 atctcgttc 489

<210> 988
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 988
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 acccaaatc caattttgac tatgcccaac gatgatatta ctcaccctat tcctgatttg 120
 actggttaca tcaactgaagg acagatctac gtagacagac aactgcacaa caggcaaatac 180
 taccacactg taaacgtatt gccttccttg tcacgtttga tgaaatctgc cattgggtgag 240
 ggtatgacac gtagagatca ctctgatgtg tccaatcaat tgtatgcttg ctacgccatt 300
 ggtaaggacg tgcaggctat gaaggctgtc gtaggagagg aagctttgac acctgatgac 360
 ttgttgact tggaattctt gacgaaattt gagaagaact ttatctcaca gggtaattat 420
 gagaaccgc acagtatttg aatctttgga cattggctgg caattgttgc gtatcttccc 480
 aaggagatgt tgaagagaat 500

<210> 989
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 <212> DNA
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 <223> n = unknown

<220>
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 <222> (315)..(315)
 <223> n = unknown

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 catttagttc cagtttttgt ttgcataatc agagattttc ggccaaaagg aaatcctgct 180
 gttggggaag atgttggcaa ggttgggaaa gatggtaagg atggtatgga tggggaagaa 240
 gtgncncttg ccctaaacag tctgattgat atgcaggtag gcaactgctgc agaacgctgt 300
 tgaaatataa ctcanctgca caagcatatc gggcccgtcg aatacacctt gagcggttaa 360
 tgtgcactcg tagt 374

<210> 990
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 aggtagtcgg tgttatagag ctacattaca tttttaaatc ttcgtgttga aaaagtgggt 180
 gctgttgctc aaaatatttt tttcagagtt taaggattga gagaagcaca ttagcccgta 240
 tagaccttac acagcaaaaag tgttgaataa aatgcatggt tcagaaaatt atgatttaga 300

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ccaattaagt attcgaaaat ttcaaagtga atattcatca ttcaattata gcatgctata 360
taactttctac ggaatgtgca tctattaaca tttttaaaat aggactatga agcaaagtgg 420
aagcatcaat tatatgaact attgctgaaa aatgtgatca tgccaaaaca ctcattatga 480
atctgattgn gcattcat 498

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<210> 991
<211> 330
<212> DNA
<213> Ctenocephalides felis

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<220>
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ttcattttta tattaactct atatctttat ctatctatct attagttcaa ccaataaaat 180
taagcgtaaa atgaataatt ttgattagaa caaatatatt catggattta aaaaaatcta 240
aattgtaaaa ttcttaaatg cttatcata ttgcgagcc tgtgttcaac cataatatat 300
ttttatataa cacataaagt aaaacaaagt 330

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<210> 992
<211> 451
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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attatgtgaa taacccaaat tttaaaccat taacacaaat attttttatt ccacttaac 180
ttattactta ttaaaatatt acttggaag natttttata ttttgtattt ttttaggtat 240
attataaaga cgcctttagt tgttgcccta tgaataaaat acatatttat aatacattca 300
catattatat actaaactat tgagaagact tagacgattt aatggaatta atatgaagga 360

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atttattaat ttaaatttta taaatataaa aaatttttagg ctttttttaa gatatcctat 420
 gttatattat aattcgtttt cattacagat g 451

<210> 993
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 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (357)..(357)
 <223> n = unknown

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 caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaattgtat 180
 agattttgaa taataacata gaaattatac tatttttttg atgactctaa taaaaaaaaat 240
 gtataaatgg ccatgcctga tatatttttg ataaccttaa tgaaaaaatg tttaaatggc 300
 catgtctgaa aagattttcta tgtgtatttt tttgntaaca ttttattgnt gaatggntaa 360
 aagataaata caattttata agctgggttg ataaattaat tttgaataaa tcataatcat 420
 agaatatgtt aagtagcaaa ttaaaatatg gccacaaacc accaaatgta tcgaaatatt 480
 acttatatga ttatgaaa 498

<210> 994
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<223> n = unknown

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 acaatagcaa cctctgcctg aaaattaacc gaacaaactt ctaacatcct tattaatgna 180
 tagattttga ataataacat agaaattata ctatTTTTTT gatgactcta ataaaaaaaa 240
 tgtataaatg gccatgcctg atatatTTTT gataacctta atgaaaaaat gtttaaatgg 300
 ccatgtctga aaagatttct atgtgnattt ttttgnntaac attttattgn tgaatggata 360
 aaagataaat caatTTTata agctgtttgg ataaattaat tttgaataaa tcataatcat 420
 agaatatgtt aagtagcaaa ttaaaatatg gccncaaccn ccaaatgnnt ncgaaatata 480
 acttatatgn ttntgaanan 500

<210> 995
 <211> 165
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (54)..(54)
 <223> n = unknown

<400> 995
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 taaagaagta tttgcatcat tggatgaacc cgcaccagga gtagt 165

<210> 996

<211> 484
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (115)..(115)
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<220>
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 <222> (226)..(226)
 <223> n = unknown

<400> 996
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 tttatacata ttttttatat ttaattgcac agatcatttg ggtatttatt atattaattg 180
 actactttat gataatttga atcctaatta gtctattcaa gattgntttc ctggtttaag 240
 ccttacttag caatctcact tttgcattct tcgccgggtg gcgtgggtat gcacgcgaac 300
 tccgttttat caaagtgcaa gccatttgga caatcataat gttttatttg ccatttggtg 360
 gtaaccaaga aacattgata atatttttta caatctcttc gatcggaaaa aacgttttca 420
 cttttgcatg cagttctgcc gagaaaagaa tttgggcaaa ccattcgggtg acgcgcttca 480
 catt 484

<210> 997
 <211> 496
 <212> DNA
 <213> Ctenocephalides felis

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 ttggttaaca acaaattggca aataaaacat tatgattgtc caaatggctt gcactttgat 180
 aaaacggagt tgcgatgcat acccacacca cccggcgaag aatgcaaaag tgagattgct 240
 aagtaaggct taaaccagga aaacaatctt gaatagacta attaggattc aaattatcat 300
 aaagtagtca attaataata taaatacaca aatgatctgt gcaattaaat ataaaaaata 360
 tgtataaaaa ttaaattgta taaaattgta ttttatgtaa ggagcacaaa caaatgcat 420
 taactatagt aatttctggt atttaaaata tataaatata gaagctttat gaaattaaaa 480
 aaaaaaaaaa aaaaaa 496

<210> 998
<211> 357
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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 <222> (228)..(228)
 <223> n = unknown

<220>
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 <222> (342)..(342)
 <223> n = unknown

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 atctgggcta caggattcct taaccggatc tgctcctatt tccngacaat actgcatttc 120
 ggggtgaactg cacgaattca cgcnactaaa ttntactttt ttacattntn gctcngggtt 180
 cggtncaggt gtaggttcan gaggaggtac tactcctggt gcggncctnat ccaatgatgc 240
 aaatcctctt tattttactgt taaaggcggt ccgcgacatt aaactcacca ttatagcggc 300
 aacgacggat aacgccacaa aactaataaa aaccaatggg anataaaaaca ttctaata 357

<210> 999
 <211> 405
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (404)..(404)
 <223> n = unknown

<400> 999
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 gcataagaat cattccactg gtccaccoga tggactgcat catggcaatg tgtgctctat 120
 cttcacttct ggatatttcc atcgcaatta tcaaagggct ttgaaaaaca gatgtagatg 180

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ttagtgaacc aagaaaagcc gctgttataa aaacaataaa ccaactggaa gttaaagtctg	240
taattagtct tccggtgacg attgtgatga gacttaagta aaatactggg cttcttccaa	300
tctgtctcc taattgacca aagataaatg tacctatgac ttcgcctgca cgtcctatag	360
caaagtatt agttacatac agttctctat caaggacggg gggng	405

<210> 1000
 <211> 493
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (145)..(145)
 <223> n = unknown

<220>
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 <222> (223)..(223)
 <223> n = unknown

<220>
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 <222> (420)..(420)
 <223> n = unknown

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aaagatacat gtaatttcat aaagcttcta tttttatata ttttaaataa tcagaaatta	120
ctatagttaa tgacattttg tttgngctcc ttacataaaa tacaatttta tacattttaa	180
tttttataca ttttttttat atttaattgc acagatcatt tgngtattta ttatattaat	240
tgactacttt atgataattt gaatccta atagtctattc aagattgttt tcttggttta	300
agccttactt agcaatccca cttttgcatt cttcgccggg tggcgtgggt atgcatcgca	360
actccgtttt atcaaagtgc aagccatttg gacaatcata atgttttatt tgccatttgn	420
tggtaaccaa gaaacattga taatatTTTT tacaatctct tcgatcgga aaaacgtttt	480
cacttttgca tgc	493

<210> 1001
 <211> 251
 <212> DNA
 <213> Ctenocephalides felis

<400> 1001	
aataaatata attttattat ataagaaaca tatgtataac aatacaaatt ataactattt	60

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aacagtcttc ttgtgataat ttcttgacgg ccgtatctgt agactttgat acaccttttt 120
tcggttaagct ccagaacacc tgatccctgc cgaatacgtg agcttcagtt agcggtttccg 180
gtaacttttg gtgtaaagtt tccggcaaga acattccgga agtcgcgccc accatcatca 240
ttacggaaag t 251
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<210> 1002
<211> 360
<212> DNA
<213> Ctenocephalides felis
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<222> (66)..(66)
<223> n = unknown
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aaaggntgca ttaaataatac aactagcagc agccagagtt tcaactgatg ttggcattaa 120
agtaggagaa gccctcagga atgtcgtgga acttcgttta aatttgggaa aatgttcttc 180
agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg 240
catcgtgtga aattgtaact tgaaataatt tttcttaact attagtttta tagatgaaca 300
aatcataatc taataaacca gcaagtgaac ttcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
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<210> 1003
<211> 383
<212> DNA
<213> Ctenocephalides felis
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<221> misc_feature
<222> (25)..(25)
<223> n = unknown
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<220>
<221> misc_feature
<222> (29)..(29)
<223> n = unknown
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<220>
<221> misc_feature
<222> (151)..(151)
<223> n = unknown
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<220>
<221> misc_feature
<222> (248)..(248)
<223> n = unknown
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<220>
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<222> (357)..(357)
<223> n = unknown

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ttgttggaag caatgttgta ggaataattc tagattataa ttgcgattta acatttttaa      120
tatcaggaac atctctgata gcatgtggag ngattgcatt ctttataccg aacattttatc      180
agaagcaagt ggatagaaga acgagcattg cttcatatgg ccataaccat atttccgctcg      240
tgtgttgnga aatgcaatta tactttgaga aagtattatc aattcaaaga aaattcagaa      300
gttgctactg aatcattttc taaaacatcg acatgaaaat taataactct ttattgntat      360
tagattcgat gtaagatata tgt                                             383

<210> 1004
<211> 407
<212> DNA
<213> Ctenocephalides felis

<400> 1004
aacatattta tataagtttt ttccctgtaa atagtaaata tgaattttgt ttgagaaaat      60
agttgcatgt gtatcatgtt aaacaaaatc tatgtgaact tcttgattaa tttaatcact      120
tatttatatt tgcacgcggt gataatatat aagatatgaa atctatagaa gcgatccttt      180
gtatgacaaa gttgacattg ttaatcatat ataccaatga tttgcgacat atgttatgg      240
gctatttgtc ccttaaaaaat ctacatgtgt agtgaatttg ttctgcttct acgttgataa      300
atgcttggat atagtgtttt gaatactttt tataaatata catatatatt gaattaaaca      360
atcaaaaagaa ataaaaatgt aaaaaaaaaa aaaaaaaaaa aaaaaaa                    407

<210> 1005
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (31)..(31)
<223> n = unknown

<220>
<221> misc_feature
<222> (413)..(413)
<223> n = unknown

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 gtaatttcat aaagcttcta tttttatata ttttaaataa tcagaaatta ctatagttaa 120
 tgacattttg tttgtgctcc ttacataaaa tacaatttta tacattttaa tttttataca 180
 ttttttttat atttaattgc acagatcatt tgtgtattta ttatattaat tgactacttt 240
 atgataattt gaatcctaatt tagtctattc aagattgttt tcctgggtta agccttactt 300
 agcaatctca cttttgcatt cttcgccggg tggcgtgggt atgcatcgca actccgtttt 360
 atcaaagtgc aagccatttg gacaatcata atgttttatt tgccatttgt tgntaaccaa 420
 gaaacattga taatattttt tacaatctct tcgatcgga aaaacgtttc acttttgcatt 480
 gcagtctgca cgagaaagat 500

<210> 1006
 <211> 212
 <212> DNA
 <213> Ctenocephalides felis

<400> 1006
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 ctattattat tgtgacgaaa atagtatagg aaccaatat tattgccccg caaattttgc 120
 atatgatccg ttacgtcata attgcccacc tatggctctg ggcacaaaat gctatacagt 180
 tacatgtcct gcacagccta aggtgctttc gt 212

<210> 1007
 <211> 378
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (24)..(24)
 <223> n = unknown

<220>
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 <222> (64)..(64)
 <223> n = unknown

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 <222> (85)..(85)
 <223> n = unknown

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<223> n = unknown

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<222> (197)..(197)

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<222> (305)..(305)

<223> n = unknown

<400> 1007

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gacatgtctg aattttatct taccatcaac taaagattcc atgtgagctc ttgcgcaagn 180

tccatctcgt tcaaaangat tttggnatct atattgntcg tccaagntcc caaatattct 240

ttcatttcaa atttttccat aggaaccgct ttaggacaaa gactttgtcc aagattttgc 300

cgaancaaaa tgcaatgcac acaaaataaa tcgtgatttt tgcattttta gggtgaaaaat 360

atttttaaact gtgattct 378

<210> 1008

<211> 210

<212> DNA

<213> Ctenocephalides felis

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gggtccgcaat tatgacgtaa cggatcatat gcaaaatttg cggggcaata atattgggtt 120

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<210> 1009

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 <213> Ctenocephalides felis

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 tgtgatagag aactctatgt aactaataca tttgctattg gacgtgcagg cgaagtcata 180
 ggcacattta tttttggaca attaggagat aggattggaa gaagaccagt attttactta 240
 agtctcatca caatcgtcac cggaagacta attacagcat ttacttccag ttggtttatt 300
 gtttttataa cagcggcttt tcttggttca ctaacatcta catctgtttt tcaaagccct 360
 ttgataattg cgatggaaat atccagaagt gaagatagag cacacattgc catgatgcag 420
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ctaatagata gatagataaa gatatagagt taatatnaaa atgaagaaaa tnaaattnaa 180
agttagaaat aatacgggct tctaaatgta gggggaagcc cctagtggcg gcacctaaag 240
ntattttataa ataaatcaaa aaat 264

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<210> 1011
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catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180
attatgggaa atccaatcgc atatncagct ttcaacatta aagaatgcat aaatgcctgt 240
tcttccattg tgtctttaca ctcggtcgta ctattcgtag tatcaatgaa gtcgtccgcc 300
taagcattga tgaattttgg acaacgtagc atattgtact tggtagctct ggatgagcgt 360
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<210> 1012
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<212> DNA
<213> Ctenocephalides felis

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aaagttcttc gtctataata atattctctt tctctcttaa ataatgcaac aaaatgtagt 120

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FC-8-C3.ST25.txt

ctagtttttc agtaatgatg taatgttttg gagtttcgat ccaggcaaga acttgctgta 180
tatttgatg tttcagtgat ttacttaaatt ttatctctct tttaaaattt tcatgttctt 240
gactttccac gccatctatt gtggttgta ccaagagtgg ctttctcgaa atgt 294

<210> 1013
<211> 500
<212> DNA
<213> Ctenocephalides felis

<400> 1013
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aatataattt ataggattca taaaaactaa ttgtgttcaa ttatcattca caatattcat 120
aaataagcaa ataaattatt caataaaata tataaaattg atgtttctgt aacatatata 180
ctataagata ataataggat tgtagaaaa ctttaaatta aagtgaagtc tatttcttta 240
gttctttaag gtgcttgcatt ttagatcaat ttcaagacta ttctcaggac tagaattcaa 300
ttggacatta ttgatctctg cagcatgttt tccatcagag acagtcgtta cgcttctgta 360
aaatgaggac caagcgggca tttgattggt gttagtgtcg cattctgaac ttcaaatttg 420
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<210> 1014
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<210> 1015
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<212> DNA
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tagcaacctc tgcctgaaaa ttaaccgaac aaacttctaa catccttatt aatgtataga    180
ttttgaataa taacatagaa attatactat ttttttgatg actctaataa aaaaaatgta    240
taaatggcca tgcctgatat atttttgata accttaatga aaaaatgttt aaatggccat    300
gtctgaaaag atttctatgt gtattttttt gttaacattt tattgttgaa tggataaaag    360
ataaatacaa ttttataagc tggttggata aattaatttg aataaatcca taatcataga    420
atatgttaag tagcaaatta aaatatggac ccaaaccaca aaatgtatac gaaatataac    480
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<210> 1016

<211> 445

<212> DNA

<213> Ctenocephalides felis

<400> 1016

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aatatttatt tccaatttgc aaatatggaa actaccatcc ctatattata tataattgta    120
tatattcctg aattgtttta tttgaattta ttttaaacac aaactttaat tatattcaaa    180
taatgatgga tgtgatttca tatatcccta aactttggat cagagtttga gagaagccta    240
gccatagtgt atagaaaatt atgtgtaggt gtataattaa gattgcagga gtcaaatata    300
taaagcattg atacaaatta tacattccaa ttttctgtaa accgtgttct ttggttgatt    360
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<210> 1017

<211> 210

<212> DNA

<213> Ctenocephalides felis

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 cctatactat tttcgtcaca ataataatag ctttgacaat catttatatt tngataaaat 180
 cttgatggng acgggcattt taaaaccttg t 211

<210> 1019
 <211> 361
 <212> DNA
 <213> Ctenocephalides felis

<400> 1019
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 attataagct atcgtaattt ttagaaaatg agttgacttt aaatataaat acacaaattt 180
 tcatattttt aagaacacaa ttatgttcaa gaacttcaca tatcaagata ctacctcagc 240
 tttacagcat aattggggat cttctatata ttttttactt tggattaatt ttagctcaat 300
 atatttcatg ttggaagtat cacctccagc taagtttgaa tattctagag ttcgttttag 360
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<210> 1020
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<400> 1020

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ttgtttgngc tccctacata aaatacaatt ttatacattt taatttttat acatattttt 180

tatatttaat tgcacagatc attnnggtat ttatttatatt aattgactac tttatgataa 240

tttgaatcct aattagtcta ttcaagattg ttttctctggg ttaagcctta cttagcaatc 300

tcacttttgc attcttcgcc ggggtggcgtg ggtntgcac gcaactccgt tttatcaaag 360

tgcaagccat ttggacaatc ataatgnttt atttgccatt tgntggtaac caagaaacat 420

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<210> 1021

<211> 408

<212> DNA

<213> Ctenocephalides felis

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 ttaaacattt tttcattaag gntatcaaaa atatatcagg catggncatt tatacatttt 180
 ttttattaga gtcacaaaa aaatagnata atttctatgt tattattcaa aatctatcat 240
 taataaggat gttagaagtt tgttcgggta attttcaggc agaggttgct attgnagtaa 300
 tagaacaatt ttaatcatct aaaatttgat taatctattc atttaatcat tcaatagtaa 360
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<210> 1022
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<223> n = unknown

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ttatacttgt gacaagttta aaggatttaa ttaagcgac ttctgtattt atgtaattca 120

cctactctaa attaagactg naatttatca ttatctgaca tagttttttg gttttacgta 180

ttttttatta aaattcttgn gaagttcaac aagtagaata ttgntttttt aattgggtta 240

tttggaacctt agaataattct aaaataactct atttacatag agagagcaag atgcttaaat 300

ttatacaata tgtcgagtaa aaccaaaaaa aacgtaaact tgcattgctt ctagacatgc 360

tgctataatc ataaaaaaca gttttgtcca tcttgaaata agtcagatct tatattatat 420

acattaataa tggatcgatc acatattgnt gnatcattga aatgaaataa ttcagggngg 480

aaatataatt ttcctata 498

<210> 1023

<211> 328

<212> DNA

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<223> n = unknown

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aaattatcat naagtngtca attaatatna taaatacaca aatgatctgt gcgattaaat      180
ataaaaaata tgttttaaaa ttaaaatggt aaaattgtgt tttatgttag gngnncaaac      240
aaaagncatt aactatagta atttctgttn ttttaaatat ataaatatag aagctttatg      300
gaatcaaaaa aaaaaaaaaa aaaaaaaaaa      328

<210> 1024
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tattgntact aatcaaggca ttggaattac tgntaattct acaaccttgg ttcgagttca      180
agataaatta gctgctctgt ggccattttt gggatatntgt gctgaagtaa taattttatg      240
cgcgattatt ctcatTTatg aaaagaaacg cnacaaagct gaaatggngg agagtgatnc      300
agatcaaagt ccagatcgaa aaaatactcc tgatcacatg aaggacactg atgtgagg      358

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<210> 1025
<211> 269
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gcntgagacc atcacgaata caanaattgg aagctttccc acnnagntaa taatagcacc 180

tattatngga aatcaatcgc atattcagct tncaacatta aagaatgcat aaatgcctgn 240

tcttccattg tgnctttaca ctggggcgt 269

<210> 1026

<211> 305

<212> DNA

<213> Ctenocephalides felis

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 aaaattggca aaagcagaag aattgctnaa gaaaaatcaa agaaaagccn aaaaatggta 180
 tcaccgtctt acaggtgaaa gaaaaattta aattgcaaga aatacatatt tttataggag 240
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<400> 1027

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ttttaagaat tgagttacta gaattattct attatgctgn attatatggt aatataacta     180
tattaaaaga aaaattatta atattaatgc atcttttaat aaactggaaa gaacngcgga     240
naaaaaaaaa aaaaaaaaaa aa                                             262
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<210> 1028

<211> 131

<212> DNA

<213> *Ctenocephalides felis*

<400> 1028

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tgctgccaaa tacgaacgct gctggaattt gtttcaactg gaattagttc ttgagactoc    120
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<211> 262

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<213> *Ctenocephalides felis*

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<223> n = unknown

<400> 1029

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tttttttntt tttttttttt tttttttgct tcttactttt annnntatatt tcttnatttt      60
tatattaact ctatatcttt atctatctat ctattagttc aaccaataaa attaagcgtn      120
aatgaataa ttttgattag aacaaatata ttcattggatt taaaaaaatc taaattgtaa      180
aattcttaaa tgccttatca tatttgcgag cctgtgttca accataatat ttttttatat      240
aacacataaa gtaaaacaaa gt                                              262

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<210> 1030
<211> 407
<212> DNA
<213> Ctenocephalides felis

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<400> 1030
tagtgctaga tatagttctt tgaacagatg caaaatagtc tcgttcacgc ctcagttcta      60
aattctcagc gagcaattct tgaatgcgag cggcctgctc ttgtagcttc tcaattgttg      120
cagcatcaca ctcattacca gattgtttgt gcattctttc agattttgca tttctaatag      180
tttttgtgag atgatctaga cgagattcca tgagaataca ttcttgaatt agttcatttt      240
tagtcatagc attaatgtctt tcacattgag catcttcata gacactagaa aattctttta      300
ttaggaaatc ttcctcatct tcaggtaaag acatgaagta gttgtcttca gaatcgacac      360
taaagctaga gtctcgagtt ctggcagatg gaatccttgg ttgaggt                      407

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<210> 1031
<211> 259
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (26)..(26)
<223> n = unknown

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<400> 1031
cccattttta atgaaatcct atcctnccgt tctaacgtga atatcactcc tgtagcagtt      60
cctatggata atagaagtcc cattagggac atagagccac gaatttccat ttaaataatat      120
gtatttatct ttaaataaaa taaaacaata atttgggtcaa ttttaattct catagcatca      180
gcagtttcat aactgtaatt aaatcatcaa taatggctgg tgacaacaaa tgggatattt      240
acagttttta caccattgt                                              259

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<210> 1032
<211> 166
<212> DNA
<213> Ctenocephalides felis

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<220>
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 <222> (3)..(3)
 <223> n = unknown

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 <222> (11)..(11)
 <223> n = unknown

<220>
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 <222> (35)..(35)
 <223> n = unknown

<220>
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 <222> (43)..(43)
 <223> n = unknown

<220>
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 <222> (67)..(67)
 <223> n = unknown

<220>
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<220>
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 <222> (123)..(123)
 <223> n = unknown

<220>
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 <222> (135)..(135)
 <223> n = unknown

<220>
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 <222> (143)..(143)
 <223> n = unknown

<400> 1032
 ctncatacca ntcagactgt ttaggtgcaa gtgtnacttc ttncccatcc ataccatcct 60
 taccatnctt accatctttt ccaaccttgc caacatcttn cccaacagca ggattttctt 120
 ttngccgaaa atctnttgat atncaaaca aaactggaac taaatg 166

<210> 1033
 <211> 484
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (201)..(201)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (322)..(322)
 <223> n = unknown

<220>
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 <222> (401)..(401)
 <223> n = unknown

<400> 1033
 tttttttttt tacggcccaa acgatttatt tttattaaaa agatacatgt aatttcataa 60
 agcttctata tttatatatt ttaaataatc agaaattact atagttaatg acattttggt 120
 tgtgctcctt acataaaata caattttata cattttaatt tttatacata ttttttatat 180
 ttaattgcac agatcatttg ngattttatt atattaattg actactttat gataatttga 240
 atcctaatta gtctattcaa gattgttttc ctggtttaag ccttacttag caatctcact 300
 tttgcattct tcgccgggtg gngtggttat gcatcgcaac tccgttttat caaagtgcaa 360
 gccatttgga caatcataat gttttatttg ccatttggtg ntaaccaaga aacattgata 420
 atatttttta caatctcttc gatcggaata aacgttttca cttttgcatg cagttctgcc 480
 gaga 484

<210> 1034
 <211> 446
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (47)..(47)
 <223> n = unknown

<220>
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 <222> (81)..(81)
 <223> n = unknown

<220>
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 <222> (135)..(135)
 <223> n = unknown

<220>

<221> misc_feature
 <222> (195)..(195)
 <223> n = unknown

<220>
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 <222> (218)..(218)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (260)..(260)
 <223> n = unknown

<220>
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 <222> (268)..(268)
 <223> n = unknown

<220>
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 <222> (309)..(309)
 <223> n = unknown

<220>
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 <222> (411)..(411)
 <223> n = unknown

<400> 1034
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 aatgttttctt ggttaacaac naatggcaaa taaaacatta tgattgccaa atggcttgca 120
 ctttgataaa acgnggttgc gatgcatacc cacgcccccg gcgaagaatg caaaagtgag 180
 attgcttagt aaggnttaaa ccaggaaaac aatcttgnat agactaatta ggattcaaatt 240
 tatcataaag tagtcaattn atataatnaa taccaaata tctgtgcaat taaatataaaa 300
 aaatatgtnt aaaattaaaa tgtataaaaat tgtttttatg taagggcaca aacaaaatgc 360
 attaactata gtaatttctg attattttaa atatataaat atagaagctt ntgaaattaa 420
 aaaaaaaaaa aaaaaaaaaa aaaaaa 446

<210> 1035
 <211> 412
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> n = unknown

<220>

<221> misc_feature
 <222> (65)..(65)
 <223> n = unknown

<220>
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 <222> (139)..(139)
 <223> n = unknown

<220>
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 <222> (149)..(149)
 <223> n = unknown

<220>
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 <222> (163)..(163)
 <223> n = unknown

<220>
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 <222> (177)..(177)
 <223> n = unknown

<220>
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 <222> (202)..(202)
 <223> n = unknown

<220>
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 <222> (235)..(235)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (250)..(250)
 <223> n = unknown

<220>
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 <222> (352)..(352)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (401)..(401)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (403)..(403)
 <223> n = unknown

<400> 1035
 ttattcttaa attaaaggga aattttacnt catacattca acatgaatca attctaaaat 60
 tatgngaata accaaaattt taaaccatta acacaaatat tttttattcc cacttaactt 120

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attactttatt aaaatattnc ttggcaagna tttctatatt ttnggatttt tttaggnata	180
ttataaagac gccttttagtt gnttgcctta tgaataaaat acatatttat aatcnttcac	240
atattatttn ctaaaactatt gagaagactt agacgattta atggaattaa tatgaaggaa	300
tttattaatt taaattttat aaatataaaa aatttttaggc tttttttaag anatictatg	360
ttatattata attcggtttc atttacagat gtggcatata ngnatatttt tg	412

<210> 1036
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n = unknown

<220>
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 <222> (25)..(25)
 <223> n = unknown

<220>
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 <222> (62)..(62)
 <223> n = unknown

<400> 1036	
aaataaatag ttcgntattt attgntctta gaataaatat tattcatgct tatttgtatg	60
gntagttgta atatctgaat atatattttg caatagtgc cttttcaagt aatttttagat	120
tagtttatta ttattattat ttttattctt gaactatttc aaatgggtta cttagataaa	180
gtattatgac ttgactgtat aatcaaccga ataaaaggaa tgttatctga aacgcatgga	240
tttataataa ttttcaaata taaataaata ttaaataatta tgcacaaata aatatagaat	300
ttcacctaca tatgtttacc tactggattt tgaaaatata tttttgtatt ttacgaaaaa	360
aggtatcggt tcgagtcatt ttataactat ggtctcataa aattggcaaa atattcaggt	420
aaaatctggt tgctccgctc tccgccagaa ctgcggacat catttttagtc gcctgaacta	480
ttaattttta tcatttta	498

<210> 1037
 <211> 372
 <212> DNA
 <213> Ctenocephalides felis

<400> 1037	
aaaatccatt taatgaacat catgaacacc atgttggcca agagaagaac taagaagacc	60

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aattggggca agaattctac taatatgctg atcttctggc ggaaatgaac gtgattgaaa	120
acggccatgc aaactccaaa aatcatgtga acgacgccga aaatgataga caacttcatt	180
ttgaaggagt tcaagaaaat aattttgttg gtagccagct gccattgga tctaaaccaa	240
taggatatgc ttctccagca tctgtttttg ggtcaagagt taattcttca ttctccatca	300
cagtggatga attataatth aatgtccatc cagaaccaa aatgttcatg gataaggaga	360
aaatatcgth gt	372

<210> 1038
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (352)..(352)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (386)..(386)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (489)..(489)
 <223> n = unknown

<400> 1038	
gaggagactt tgtttaccgt aatggacaac cattcgaaat tccaaaagga aatttactat	60
tgaatgatta aatgtaatag attaatacaa ttttagatga ttaaaattgt tctattacta	120
caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaattgtat	180
agattttgaa taataacata gaaattatac tatttttttg atgactctaa taaaaaaat	240
gtataaatgg ccatgcctga tatatttttg ataaccttaa tgaaaaaatg tttaaattggc	300
catgtctgaa aagatttcta tgtgtatttt tttgttaaca ttttattggt gnatggataa	360
aagataaata caattttata agctgnttgg ataaattaat tttgaataaa tccataatca	420
tagaatatgt taagtagcaa attaaaatat ggccacaaac cacaaaatgt atacgaaata	480
taacttatnt gatttttg	498

<210> 1039
 <211> 328
 <212> DNA
 <213> Ctenocephalides felis


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<400> 1039
taaaatgtta aatatttata atatatttct gataaataag ggtcattaaa catcatttgc      60
atgtttttga aaaaacacca caacattgtt tatagtaagc ttgaccttg ttactttagt      120
tttcaaaatt tgttcaaggc cctcttctcc ctttccttcg taagcttttt taagtatctc      180
ataagtcaat cctttttttg acattttgcg aagtgtttca atggttacga ctgatttaag      240
aggtgccaat aatattagct catcagccat tttttgcatt tccaaaatat catcgataat      300
tctgagtttg tttgaaagtt gcttcagt                                     328

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<210> 1040
<211> 412
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (4)..(4)
<223> n = unknown

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<220>
<221> misc_feature
<222> (20)..(20)
<223> n = unknown

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<220>
<221> misc_feature
<222> (38)..(38)
<223> n = unknown

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<220>
<221> misc_feature
<222> (79)..(79)
<223> n = unknown

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<400> 1040
ccgnttttat attatattgn ttatacagaa agcactgntg tatgaaaagt atctgaaatc      60
aacacatctc atgtaaggnt actttattgt aaaagttatt ttatatgtaa tttttaataa      120
cattaaaatt atttagttct ttctgttaga tgaattgtgt gttagatctt gtgctgtgat      180
ttacatacaa ttttaatacag attgaaatgc aatctataaa agcattatct caataatcat      240
tatatagtaa ttttgatttt gactatttgc agataaattc attacatttt aaaatgttta      300
ctttattaag ctatacaaac cttgaacttt acactttgta tttctagaac ataagtatta      360
aataaattgt taaaaatatt tgtggctaga ttttcctatt gctaattgtg tg              412

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<210> 1041
<211> 363

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<212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (32)..(32)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (84)..(84)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (342)..(342)
 <223> n = unknown

<400> 1041
 ggaagctttt tcaggaaagn tactagagag gngtcatttc caccagtggg ttcaagaaat 60
 aatcgtacaa tcagctgtgt ccgngcccta gaccaatatg taaatggcca aggaggctat 120
 gccactcttg tcaatgggtg agttggctgg aaaaatgtaa ctttactctt atcttctcag 180
 actggcгааag gatttaactt cttagttgaa atttggggat attagattag agatttaata 240
 aaaatgttat tatagaaaat atattaaata tacaatagta ttttaaataat ggcacacatc 300
 tatctatgca tccataaata aaggttatct actgcataaa anaaaaaaaa aaaaaaaaaa 360
 aaa 363

<210> 1042
 <211> 484
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (234)..(234)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (265)..(265)
 <223> n = unknown

<220>
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 <222> (304)..(304)

<223> n = unknown

<220>

<221> misc_feature

<222> (322)..(322)

<223> n = unknown

<220>

<221> misc_feature

<222> (331)..(331)

<223> n = unknown

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<221> misc_feature

<222> (384)..(384)

<223> n = unknown

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<222> (387)..(387)

<223> n = unknown

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<222> (423)..(423)

<223> n = unknown

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cggttttttcc gatcgaagag attgtaaaaa atattatcaa tgtttcttgg ttaacaacaa 120

atggcaaata aaacattatg attgtccaaa tggcttgac tttgataaaa cggagttgcg 180

atgcataccc acgcccccg cgaagaatgc aaaagtgaga ttgctaagta aggnntaaac 240

caggaaaaca atcttgaata gactnattag gattcaaatt atcataaagt agtcaattaa 300

tatnataaat cacaaatgat cngtgcaatt naatataaaa aatatgtata aaaattaaaa 360

tgtataaaat tgtgttttat gtanggngca caaacaaaat gcattaacta tagtaatttc 420

tgnttatttta aaatatataa atatagaagc tttatgaaat tcatgtgtct ttttaataaa 480

aata 484

<210> 1043

<211> 257

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (23)..(23)

<223> n = unknown

<220>

<221> misc_feature
 <222> (36)..(36)
 <223> n = unknown

<220>
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 <222> (89)..(89)
 <223> n = unknown

<220>
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 <222> (93)..(93)
 <223> n = unknown

<220>
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 <222> (110)..(110)
 <223> n = unknown

<220>
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 <222> (113)..(113)
 <223> n = unknown

<220>
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 <222> (120)..(120)
 <223> n = unknown

<220>
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 <222> (126)..(126)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (144)..(144)
 <223> n = unknown

<220>
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 <222> (173)..(173)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (185)..(185)
 <223> n = unknown

<400> 1043
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 gccagcatta aaaaccaat ccttctcgng ttntttcagc gctatttcan atnttaactn 120
 tgtttntaac cgtctcaata cctnttcagg atcgcgtagt gcctcatttt tgngtgtcaa 180
 cctgnggtca acatcgccaa tccatgttac caatcgatcc ttacgattag caaacatttc 240
 accgagtcce aaacggtt 257

<210> 1044
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1044
 aacattttcag actttgcacg tccagactgc atcatcatatc gcctacggac agtgtcgaat 60
 ggatatgaca caataccagc aacagttgtg acggcttgtg caatggccca gctgataact 120
 aatgggggtgt tcttgggggtc tggcaacatt ccacgagcgg tgtcatagaa tccaaagtat 180
 gctgcacggg agatgatgat accttgaaca gatactccaa aaccacggta caatccaggg 240
 agaccatcag acttgaagat tttggtcaag cagttgcccc atccagagaa ttcacgttga 300
 ccagcgcctt tacctacatc agcggccaat ctggtacggg cgaaatcaag tgggtagacg 360
 aagcacaatg atgtggctcc agcagcacca ccagatgcc agtttcctgc gaagtaacgc 420
 cagaattggg tcttcttgtc aactccaccc aagaaaactt gcttgtactt gtctttgaat 480
 gcgaagttca aagcctga 498

<210> 1045
 <211> 220
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (43)..(43)
 <223> n = unknown

<400> 1045
 tatataatct gattctcgat ttgcatcttc ataactgatt ctnagatata cattaccgga 60
 atgttcatca ttacgtctga gttgtccact aaattcaact tttttccatt ttcttccatg 120
 acatgtctga attttatttt accatcaact aaagattcca tgtgagctct tgcgcaagtt 180
 ccatctcggt caaaatgatt ttggtatcta tattgttcgt 220

<210> 1046
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (404)..(404)
 <223> n = unknown

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<400> 1046
ctagtgtggtg tggttatatga aattgctatt gcatattaca tacaagctta ataaagggtta      60

tggtgatttta tttcatttaa aggcaatgta tcggtttaat ggtttttaaatt ttattttttta      120

tttaatatata aatagattaa ttaaaaatct ataaagtgat aagaggcctg atatccataa      180

tattattgaa tattaagaag tgacggatag atctgataat gtagtagttg ttatagacaa      240

tttacttaaat aattatgagt tgcattcatta tgcaatgatt tatcactatt atttattcaa      300

cattttatatt aactgcttgc aacttttaatt aaaacgcatt ttttattggtt ttaagtataa      360

atcttatttag ggcacaatat gaaaataaaa ataagaactt tatncaaaaag cttttttttat      420

acaatatgct tcttgcgcta ttaagttaag aaattttatt tatgcttgta aaaaaacaat      480

aaatgcttta tttttttt      498

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<210> 1047
<211> 486
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (45)..(45)
<223> n = unknown

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<220>
<221> misc_feature
<222> (51)..(51)
<223> n = unknown

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<220>
<221> misc_feature
<222> (209)..(209)
<223> n = unknown

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<220>
<221> misc_feature
<222> (336)..(336)
<223> n = unknown

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<220>
<221> misc_feature
<222> (484)..(484)
<223> n = unknown

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<400> 1047
tatatgaaat tgctattgca tattacatac aagcttaata aaggntatgg ngattttattt      60

catttaaagg caatgtatcg gtttaatggt tttaaattta ttttttattt aatattaaat      120

agattaatta aaaatctata aagtgataag aggcctgata tccataatat tattgaatat      180

taagaagtga cggatagatc tgataatgna gtagttgtta tagacaattt acttaataat      240

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tatgagttgc atcattatgc aatgatttat cactattatt tattcaacat tttattttaac	300
tgcttgcaac ttttaataaa acgcattttt tattgnttta agtataaatc ttattagggc	360
acaatatgaa aataaaaaata agaactttat acaaaagctt tttttataca atatgcttct	420
tgcgctatta agttaagaaa ttttatttat gcttgtaaaa aaacaataaa tgctttattt	480
attnaa	486

<210> 1048
 <211> 465
 <212> DNA
 <213> Ctenocephalides felis

<400> 1048	
cactcgtggt cttttcccat cttcattttg actgccaac ataagtataa tgtctttatc	60
ccctagattg ctgcttgaaa caacaactgt atgcacatga cggctatgaa accattctgt	120
gcatttccat gcacgtcaa tggtatgaat tttgcaacca gtgagcaact ccacctcaaa	180
ttgatttgga gtaacaatat cagccaatgg aataattaat tctctataaa ttggtaataa	240
tgattctgga acatacattt ttccattatc acctaact ggatcgcaaa cgtatgtcaa	300
ttttggattt ttttctctca attccttaac gacgtttgca attgttttaa gaaaatctgg	360
attagctaca taaccggtta ataatgact gtagacattg ataccattca atgctaacc	420
ttctgccagc tctcctaatt ccttgctggt agaacttgcc ctggt	465

<210> 1049
 <211> 131
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (104)..(104)
 <223> n = unknown

<400> 1049	
attgtctttg gagtctcaag aactaattcc agttgaaaca aattccagca gcgttcgtat	60
ttggcagcaa ccattcattt gtccaagagt tgggctattt tttnatccat tggatcctac	120
atgcaaaaagg t	131

<210> 1050
 <211> 358
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (47)..(47)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (230)..(230)
 <223> n = unknown

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 ttccacaaca tcattaatct cttccaatct ggattcccat ttattcaaatt tgtctgaaga 180
 acattttccc aaatctaaac gaagttccac gacattcctg agggcttctn ctactttaat 240
 gccaacatca gttgaaactc tggctgctgc tagttgtata tttaatgcaa ccttttgcatt 300
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gtatttatct ttaaataaaa	taaaacaata atttgggtcaa ttttaattct catagcatca	180
gcagtttcat aactgtaatt	aatcatcaa taatggctgg tgacaacaaa tgggatattt	240
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 tgntaacaat aaagatttaa aaantttcat aagtattaaa taaatttcac acacaacttt 180
 ntgtattaaa aggggtttta ttatcaatta gttaataaaa taactctaaa attgnnaatg 240
 aaatttttat tgtatatata aaattgaaat acctacattt tgtatgcaga tgttataact 300
 gattgtnagt gaaccaatta ttgtnaggaa tatgggacgc cntattttca ctcatttttt 360
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 acatattttt tatattttaat tgcacagatc atttgngtat ttattatatt aattgctact 180
 ttatgataat ttgnatccta aataggctat tcaagattgt tttcctgggt taagccttac 240
 ttagcaatct cacttttgca ttcttcgccg ggtggcgngg gtatgcatcg caactccgtt 300
 ttatcaaagt gcaagccatt tggacaatca taatgtttta ttgccaattt gttgntaacc 360
 aagaaacatt gataatattt ttacaatct cttcgatcgg aaaaaacggt ttcacttttg 420
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 tttttatgca tcaaaagtag ttaatgt 147

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 atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat 180

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cagaagcaag tggatagaag aacgaggaat tgnntttatat ggaccataac catattttccg	240
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agaagttgct actgaatcat tttctaaaac atcgacatga aaattaataa ctctttattg	360
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gctccttaca taaaatacaa ttttatacat ttttaattttt atacatatatt tttatatattta	180
attgcacaga tcatttgngg atttattata ttaattgact actttatgat aatttgaatc	240
ctaattagtc tattcaagat tgnnttcctg gtttaagcct tacttagcaa tctcactttt	300
gcattcttcg cgggggggng tgggtatgca tngcaactcc gttttatnaa agtgcaagcc	360
atttgacaaa tcataatgtt ttatttgcca tttgttggtta accaagaaac attgataata	420
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atatcaggaa catctnntat agcatgtgga gggnttgcat tctttattcc cncatttttna 180

taagcaagt gntngaagaa cgagcatttg cttnatatgg ccataaccat atttcgcgtg 240

tgtngaaat gcaattatct ttgngaaagt attatcaatt acnaagaaaa ttcagaaggt 300

gctactgnat ctttttctaa aacatcgcat gaaaattaat aactctttat tgntattaga 360

ttcgatgtaa gaatatg 377

<210> 1058

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<212> DNA

<213> Ctenocephalides felis

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tgcttttcat tttgattcag taatagatta cttcttgaga tagataataa tactgtggag 180

aagtaacctt cacatgaaat aggcttgggt cttataatta ctggctttgt tctggatatt 240
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tctgagaaga aaggaggaaa ggtacatttt ttcagncaac tnccatttgc aagagnggna      240
tagcctcctt ggccattttac atattgggtcc agggcacgaa cacagctaatt tgnngcgatta      300
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 ttttatacat ttttaattttt atacatatatt ttttatattt aattgcacag ancattnggg 180
 gntttttatta tattaattga cnnctttatg ataattngaa tcctaattag nctattcaag 240

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attgtttcct ggnttaagcc ttacttagca atctcacttt tgcattcttc gccggggggg 300
gnggggtatgc atcgcaactc cgttttatca aagtgcgaagc catttggaca atcataatgn 360
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 acattttggt tgngctccct acataaaata caattttata cattttaatt tttatacata 180
 ttttttatat ttaattgcac agatcattng gggatttatt atattaattg actactttat 240
 gataatttga atcctaattn gtctattcaa gattgttttc ctggnttaag ccttacttag 300
 caatctcact tttgcattct tcgccgggng gcgnggggtat gcacgcgaac tccgttttat 360
 caaagngcaa gccatttgga caatcataat ggtttatttg ccatttgntg ntaaccaaga 420
 aacattgata atattttttc aatctcttng acgggaaaaa cggtttnact tttgcatgca 480
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tcgtacccaa aattctcttt ggatcttgat catgttaaag gtgctttaac ggcattggct 180

cgtatgcatg caaggtgcat tatctacgag aagaaaaaaa attggtgcat ggggagaggt 240

tacaaagatc ttatgttcga gactatggcc nataataatc aatggtggag gactggagag 300

gatactgctt tagcaattgc tngngaattc gagaaattcg gtaaataatac cgaatccatt 360

ccatggtaca ggagaaggta attgatttcc tgagattggc atggncatg gtaaaccatc 420

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<212> DNA
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 ccggaattgt tagagaatct gaacaacggt tcgttggttct tcagctacga atacaaccgg 180
 cactgtaaag ggnctttgaa gaaactggct cgaaagctgc tcccgttagg acggccgttc 240
 tgaagattgg gaacaagtaa agattaccan gaaaggggaa cgatgatggc caggaacaga 300
 attttaccgc atcttancca acgtcttcgg acatcatgtc aacatcattc atcacaaata 360
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 tacacatatt tttagaatga tcatatacat agttaggtgg gcattcgaaa acctgacctt 180

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tctacacaaa atggagcatc ggaatttgag tctctgcaat tgattgttgt aattgggggtt	360
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acaagcatta agagatgcaa agttagacaa aggagccata catgatgttg ttttggtggg	180

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aggttccaca aagaatacct aaaattcgat ctctgctcaa gaattctttg caggaaagac 240
cttaaattct tccataaatc cagatgaagc tgtggcttat ggtgctgcag t 291

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ataaaaaattt agcaaaaatg tttataaaat ctttgcttca ttgattattg atcttttaca 180
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<220>
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<222> (296)..(296)
<223> n = unknown

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<223> n = unknown

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 <223> n = unknown

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 <222> (382)..(383)
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 <222> (387)..(387)
 <223> n = unknown

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 <222> (405)..(405)
 <223> n = unknown

<220>
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 <222> (413)..(413)
 <223> n = unknown

<220>
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 <222> (416)..(416)
 <223> n = unknown

<220>
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 <222> (428)..(428)
 <223> n = unknown

<400> 1068
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 tggagacaac gtctgaagtc atttccattc cttggtttaa atcaccattt gatttaacag 180
 aatgaggagc ctcatcttta ttttcttgg ntggcatcaa atataatggg ttgcctaaga 240
 gcatgagcgg aatacagcag agccaatta acacaaatat tttttgaatt tgctgntgnc 300
 cttcaaacat aaattcatcg cattgttctg ctggagaacc ttgcttgat aacaacatgt 360
 taatgnacaa gaatcaaaac tnntggngcg cagcaggggt caaanctggt ggntgnttat 420
 ttggaganga 430

<210> 1069
 <211> 378
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (18)..(18)
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<220>
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 <223> n = unknown

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 <222> (46)..(46)
 <223> n = unknown

<220>
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 <222> (267)..(267)
 <223> n = unknown

<400> 1069
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 ccaaggaggc tatgccactc ttgtcaatgg tggagttggc tggaaaaatg taactttact 180
 cctatcttct cagactggca aaggatttaa cttcttagtt gaaatttggg gatattagat 240
 tagaaatata atgaaaatgt gaatatngaa aaaaaattaa atatacaata gtatttttaa 300
 tttggcacac atctatctat gcatccataa ataaagggtta tatacagcat tcaaaaaaaaa 360
 aaaaaaaaaa aaaaaaaaaa 378

<210> 1070
 <211> 229
 <212> DNA
 <213> Ctenocephalides felis

<400> 1070
 aacatttcag actttgcacg tccagactgc atcatcatat gcctacggac agtgtcgaat 60
 ggatatgaca caataaccagc aacagttgtg acggcttgtg caatggccca gctgataact 120
 aatgggggtgt tcttgggggtc tggcaacatt ccacgagcgg tgtcatagaa tccaaagtat 180
 gctgcacggt agatgatgat accttgaaca gatactccaa aaccacggt 229

<210> 1071
 <211> 387
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature

<222> (347)..(347)

<223> n = unknown

<400> 1071

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gtaaatggcc aaggaggcta tgccactctt gtcaatgggtg gagttggctg gaaaaatgta 180

actttactcc tatcttctca gactggcaaaa gggattttaac ttcttagttg aaatttgggg 240

atattagatt agaaatataa tgaaaatgtg aatatagaaa aaaaattaaa tataacaatag 300

tttttttaaatt ttggcacaca tctatctatg catccataaa taaaggntat atacagcatt 360

caaaaaaaaaa aaaaaaaaaa aaaaaaa 387

<210> 1072

<211> 205

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (14)..(14)

<223> n = unknown

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<223> n = unknown

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<223> n = unknown

<220>

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<222> (133)..(133)

<223> n = unknown

<400> 1072

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atttacatga ttcataaatt gtgatataaa ccataatcaa ccaaagaaca cggtttacag 120

aaaattggaa tgnataattt gtatcaatgc tttatatatt tgactcctga caatcttaat 180

tatacaccta cacataattt tctat 205

<210> 1073

<211> 150

<212> DNA

<213> Ctenocephalides felis

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<220>
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<222> (2)..(2)
<223> n = unknown

<220>
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<222> (101)..(101)
<223> n = unknown

<400> 1073
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cgatgggtttc agactttttt ctttcataaa tacttttttg ngatatgaac atacttcgca      120
aaaattaaat ttgacaaaaa aaatttaagt      150

<210> 1074
<211> 222
<212> DNA
<213> Ctenocephalides felis

<400> 1074
tttcttttagt ggtgcactgt agatatccac tttgatcagc gcacacttga tctgggctac      60
aggattcctt aaccggatct gctcctatct ccggacaata ctgcatttcg ggtgaactgc      120
acgaattcac gcaactaaat tttacttttt tacatttttg ctcggggttc ggtacaaaat      180
gctatacagt tacatgtcct gcacagccta aggtgcttcc gt      222

<210> 1075
<211> 467
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (28)..(28)
<223> n = unknown

<220>
<221> misc_feature
<222> (187)..(187)
<223> n = unknown

<220>
<221> misc_feature
<222> (209)..(209)
<223> n = unknown

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<223> n = unknown

<220>

<221> misc_feature

<222> (263)..(263)

<223> n = unknown

<220>

<221> misc_feature

<222> (285)..(285)

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<220>

<221> misc_feature

<222> (383)..(383)

<223> n = unknown

<400> 1075

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aacatatttta cagtattttcc tcaaaaactg ttaaatacaa taagttaact taaatacatg	180
gatgttntga gaatgtggat gagctcaana ttgtngaact gagtttgatc tacacaattt	240
ttgcctaaaa ggttcgacta ctnagaaagc agccacccgt gattncatac cgctcacat	300
ttgacaataa aatatatgta taatgttaaa taggatttta atggaaaaaa gccaatthaa	360
tacttttagca ttatgaatat gtntttccaa attattctat aacgaattta acctaaaata	420
caagaaatac atattcataa atatacatat attttaatac aaaaagg	467

<210> 1076

<211> 500

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (409)..(409)

<223> n = unknown

<400> 1076

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aagcatggac atttgaaatt tggtttattt ttaaccaaac aataagtcaa ttacaagaga	120
aataaaaatt tcaaagaaaa ccaagacaca atactgataa ttgtatgttt agtagattca	180
tataaaactt ccttaactga aatgctgata taaactactt ttaacagcaa ctccatgagc	240
atcaatgata gcagtcttaa aattatgttt tcatacatat atcattgatt ttttagcata	300
gcagtttagat gacaattaca tttatttaaa gttacgaatg ttgtcctttc acagagtatt	360

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aatttaaatgt attttgctaa gaaatcaaaa atgaatgtaa ttcgggggna ttctcacttt	420
tcattgtaga gaatattgca ttaggtttcg atattatcac aattcatctg tttagacttc	480
agccattcgc aaattcattt	500

<210> 1077
 <211> 205
 <212> DNA
 <213> Ctenocephalides felis

<400> 1077	
ctgctaatta tatacaaatt atcaaaggca atgttaatgc taatacaact gataaagttg	60
agacaaaata aaggaagatt cagataaaaa tgtaaatatt aatattaggc atttataaca	120
aatcatgtgc ttttccttgc tcactaagat cttgctatta tgttatgggt gatactagac	180
aactgtatat taagtaatta taagt	205

<210> 1078
 <211> 304
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (237)..(237)
 <223> n = unknown

<400> 1078	
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ctctaataata ttactgttga gcaacatatt tttatagata agagtagatg taataattca	120
ttttaagaat tgagttacta gaattattct attatgctgt attatatgtt aatataacta	180
tattaaaaga aaaattatta atattaatgc atcttttaat aaactgaaaa gaacagngaa	240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	300
aaaa	304

<210> 1079
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1079	
tgaaatgtga agacgacgtc aacgaatggg ttgacccaaa atctttctcg tgcagaactg	60
catgcaaaag tgaaaacgtt ttttccgac gaagagattg taaaaaatat tatcaatgtt	120
tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg	180

FC-8-C3.ST25.txt

ataaaacgga gttgcatgc ataccacgc ccccgcgaa gaatgcaaaa gtgagattgc 240
 taagtaaggc ttaaaccagg aaaacaatct tgaatagact aattaggatt caaattatca 300
 taaagtagtc aattaatata ataaatacac aaatgatctg tgcaattaaa tataaaaaat 360
 atgtataaaa attaaaatgt ataaaattgt attttatgta aggagcacia acaaaatgtc 420
 attaactata gtaatttctg attattttaa atatataaat atagaagctt tatgaaatta 480
 catgttcttt ttaataaa 498

<210> 1080
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis .

<400> 1080
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 cctctcgcaa gttcctgtgt cgcagctttg agtagcttgg ttaaatactg ttccaatcgg 120
 acattgatca ggaactggct ctcttttagg acgtaaacac gtgaagaact tccggcatgt 180
 tgcgtcgttc ttgaaagcaa attttccacg tgctcggcat tgcccacac aggtttcgct 240
 ccttggggaa aactcggcgg gttcttcgca ttgcaatacg gttcctcttc cggccataca 300
 tacgacgtac aatgatttat caccaatgta cggaagcacc ttaggctgtg caggacatgt 360
 aactgtatag ctttttgtgc ccagagccat aggtccgcaa ttatgacgta acggatcata 420
 tgcaaaattt gcggggcaat aatattgggt tcctatacta ttttcgtcac aataataata 480
 gctttgacaa tcatttat 498

<210> 1081
 <211> 495
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (64)..(64)
 <223> n = unknown

<220>
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 <222> (176)..(176)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (402)..(402)
 <223> n = unknown

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<220>
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<222> (404)..(404)
<223> n = unknown

<400> 1081
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tatnaactct atatctttat ctatctatct attagttcaa ccaataaaat taagcgtaaa      120
atgaataatt ttgattagaa caaatatatt catggattta aaaaaatcta aattgnaaaa      180
ttcttaaagt ccttatcata ttgcgagcc tgtgttcaac cataatattt ttttatataa      240
cacataaagt aaaacaaagt catattttgt atagtttctt ttggtgaata cttcatcaat      300
atattaatat aatttaggtt tcctctcgca agttcctgtg ttgcagcttt gagtagcttg      360
gttaaatact ggtccaatcg gacattgatc aggaactggc tntnctttag gacgtaaaca      420
cgtgaagaac ttccggcatg ttgcgtcggt cttgaaagca aattttcacg tgctcggcat      480
tgccgacaca ggttt                                     495

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<210> 1082
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<400> 1082
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atgaacattt cattttcttc tatttttgac aaagtttatt ttaaacaggt gttgaaataa      120
tttcagtgtc cagctttact ttactggcaa cactcatatc aacataacga tctccaattg      180
atacgaccat tccacccaag attgagggat taactttaag ggtagtaat aagttttctt      240
tggtgtttta gaatcctctt aaagtgcctt caagttgttt ttgttgattc tcatctaaag      300
gttttagctg tgtaacttca catggaacct ctccacgatg agcagacatc ataactttat      360
aagcgttgat aacaccttcc agtttattta aacgtccatt ctcagcaagt aactccagca      420
agttggatgt agctggagcc atttgcagct tgctgctggc ttcttcaat gcatttgatt      480
taatggagcg cttgaaag                                     498

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<210> 1083
<211> 394
<212> DNA
<213> Ctenocephalides felis

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<400> 1083
cgtaagtcc aatccaagag tggaaacttt ttcaggaaag ctactagaga ggtgtcattt      60
ccaccagtgg gatcgagaaa taatcgaca attagctgtg ttcggtgccct ggaccaatat      120

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FC-8-C3.ST25.txt

gtaaatggcc aaggaggcta tgccactctt gtcaatgggtg gagttggctg gaaaaatgta	180
actttactcc tatcttctca gactggcaaa ggattttaact tcttagttga aatttgggga	240
tattagatta gaaatataat gaaaatgtga atatagaaaa aaaatttaat atacaatagt	300
attttaaatt tggcacacat ctatctatgc atccataaat aaagggttata tacagcattc	360
attaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa	394

<210> 1084
 <211> 438
 <212> DNA
 <213> Ctenocephalides felis

<400> 1084	
tcgtggggta gttcttggaa aatttcttga cttccctgtg atacatttcc tgagcccggtg	60
aacacgaacg tcaatggacc tacagatttt ggcatcatatc ctaaagcgat ttcatatcca	120
gcatccctta tggattgtct ggccatggag gaatttctgt aattgtgagc caatccaata	180
tgcataaaag gtgtatgatg acccaaagct aaaagacgta aacctaatacc gtgcaaaata	240
ttgatcatatc cggcaacacc agcatatttt ccaaatagta ctactctttg gcccttttcg	300
tccatcaact tttcataatc gataagacga atattctttt ccataattgc atcaagtaaa	360
ggcatattag attcttgggc ttgataaca tgtgaaaaca tgcagtaggt tttattggga	420
attaattggt ctacaggt	438

<210> 1085
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (36)..(36)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (475)..(475)
 <223> n = unknown

<220>
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 <222> (489)..(489)
 <223> n = unknown

<400> 1085	
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FC-8-C3.ST25.txt

tgaatgatta aatgtaatag attaatcaaa ttttagatga ttaaaattgt tctattacta	120
caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat	180
agattttgaa taataacata gaaattatac tatttttttg atgactctaa taaaaaaaaat	240
gtataaatgg ccatgcctga tatatttttg ataaccttaa tgaaaaaatg tttaaatggc	300
catgtctgaa aagattttcta tgtgtatttt tttgttaaca ttttattggt gaatggataa	360
aagataaata caattttata agctgtttgg ataaattaat tttgaataaa tccataatca	420
tagaatatgt taagtagcaa attaaaatat ggccacaaac cacaaaatgt atacnaaata	480
ttacttatnt gattttta	498

<210> 1086
 <211> 387
 <212> DNA
 <213> Ctenocephalides felis

<400> 1086	
cttttatggg gtctttgaga accaaccaag gacacttctg tgggtggttc atcatcagca	60
atcgttggat tcttactgct gctacttgcg tgttaaataa atatccaaat gatattcttc	120
tcgctggttg aaccaacact ttgaatgctg gcggagtagg atacaaagtt gcccaaataa	180
tggttcataa ccaatttaac cagaacacat accacaataa catcgctttg ctaaaaacta	240
catcaaataat tgtatacaca aactatgtca aaccagttgg tctggcaagc tatgatacac	300
caattggagc agtatccact ctggctggat ggggctactt atctaattgg ggccaaattc	360
ccaactactt gcaaatcggt gacacgt	387

<210> 1087
 <211> 387
 <212> DNA
 <213> Ctenocephalides felis

<400> 1087	
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atcgttggat tcttactgct gctacttgcg tgttaaataa atatccaaat gatattcttc	120
tcgctggttg aaccaacact ttgaatgctg gcggagtagg atacaaagtt gcccaaataa	180
tggttcataa ccaatttaac cagaacacat accacaataa catcgctttg ctaaaaacta	240
catcaaataat tgtatacaca aactatgtca aaccagttgg tctggcaagc tatgatacac	300
caattggagc agtatccact ctggctggat ggggctactt atctaattgg ggccaaattc	360
ccaactactt gcaaatcggt gacacgt	387

<210> 1088
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (401)..(401)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (442)..(442)
 <223> n = unknown

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 tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccggcgga agaatgcaaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaatg tataaaattg tattttatgt naggagcaca aacaaaatgt 420
 cattaactat agtaatttct gnttatttaa aatatataaa tatagaagct ttatgaaatc 480
 aaaaaaaaaa aaaaaaaaaa 498

<210> 1089
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (276)..(276)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (484)..(484)
 <223> n = unknown

<400> 1089
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 aacatttgta ttttattcaa ataaatataa ataaaaatca taattcgaca attttactcg 120
 tatttatctt aaacatattt acagtatttc ctcaaaaact gttaaataca ataagttaac 180

FC-8-C3.ST25.txt

ttaaatacat ggatgttctg agaatgtgga tgagctcaag attgtagaac tgagtttgat	240
ctacacaatt tttgcctaaa aggttcgact actcanaaag cagccaccgc tgattccata	300
ccgcctcaca tttgacaata aaatatatgt ataatgttaa ataggatttt aatggaaaaa	360
agccaattta atacttttagc attatgaata tgtattttcca aattattcta taacgaattt	420
aacctaataat acaagaaata catattcata aatatacaat attttaatac aaaaaggtag	480
ttgngcaaaa atgaaattca	500

<210> 1090
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (146)..(146)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (148)..(148)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (229)..(229)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (291)..(291)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (315)..(315)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (330)..(330)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (344)..(344)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (360)..(360)
 <223> n = unknown

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<220>
<221> misc_feature
<222> (381)..(381)
<223> n = unknown

<400> 1090
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taaaaagata catgtaattt cataaagctt ctatatattat atatttttaa taatcagaaa      120
ttactatagt taatgacatt ttgttngngc tccttacata aaatacaatt ttatacattt      180
taatttttat acatattttt tatatttaat tgcacagatc atttgtgtnt ttattatatt      240
aattgactac tttatgataa tttgaatcct aattagtcta ttcaagattg ntttcctggt      300
ttaagcetta cttancaatc tcacttttgn attcttcgcc gggnggggtg ggtatgcatn      360
gcaactccgt tttatcaaag ngcaagccat ttggacaatc ataatgtttt atttgccatt      420
tgttggtaac caagaaacat tgataatatt ttttacaatc tcttcgatcg gaaaaaacgt      480
ttttactttt gcatgcagtc                                     500

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<210> 1091
<211> 379
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (354)..(354)
<223> n = unknown

<220>
<221> misc_feature
<222> (356)..(356)
<223> n = unknown

<400> 1091
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aatttttttt attaaattaa aagaaaatgg cgatctactc aacttatctg aattagttta      120
ggtataagta aattagaact aattctatatt gtttactact tttgttactc gtattttaatt      180
ttgattttaa ttatgtatgt tatttttagaa agcactgata agtataagga attggtgaac      240
tgtattttat aagactgcta ggcaaatac gtttatttat aaaaaaatgt actgtaaagt      300
tacctgcatg taaactgaac tgtaataatt attaaataaa gtatttttaa ccnanaaaaa      360
aaaaaaaaaa aaaaaaaaaa                                     379

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<210> 1092
<211> 326

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<212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

<220>
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 <222> (324)..(324)
 <223> n = unknown

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 gcatacttat acacaatgta tctaatacaa tatgtattac ttcacgattg ttgtcatata 120
 aacttcaata ccagaattt tttttgcagt tgttcaaaat tacaaattgt ctgcacaatc 180
 catagatcgg agtgttttcg gaatggntct tttccactta gatttcttta cgtaaacaca 240
 acacaaagcg tgtggagcaa aagttttcga taatactgca ttatattgaa tatatctgtt 300
 aatgntccaa atcatgtagg ttgnag 326

<210> 1093
 <211> 380
 <212> DNA
 <213> Ctenocephalides felis

<400> 1093
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 ttcagcatac ggactgttca tgttcttgca aggaataatg acattggctt tgggtccaat 120
 tgttggattt attcgagatg caacacacag ctacataata tgtttccatg ccttgactgt 180
 gtgtttactc atttgctgta taccatggct tgccgagatg gcgtgggtta aaatgaaaaa 240
 taagaaataa atttaagaat taagttaata ttaatggaaa aattatatat agtttatgtg 300
 aattttatca cacgtgttat atatctttat aaaagtaatt tataaaggat tgtcacagaa 360
 aatataaatg acaaaaaaaaaa 380

<210> 1094
 <211> 380
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (63)..(63)
 <223> n = unknown

<220>
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 <222> (234)..(234)
 <223> n = unknown

<220>
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 <222> (316)..(316)
 <223> n = unknown

<220>
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 <222> (332)..(332)
 <223> n = unknown

<400> 1094
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 tgngtgccaa atttaaaata ctattgtata ttttaattttt ttctatatattc acattttcat 120
 tatattttcta atctaataatc cccaaatttc aactaagaag ttaaatacctt tgccagtctg 180
 agaagatagg agtaaagtta cattttttcca gccaaactcca ccattgacaa gagnggcata 240
 gctctcttgg ccattttacat attggtccag ggcacgaaca cagctaattg tgcgattatt 300
 tctcgatccc actggnggaa atgacacttc tntagtagct ttcttgaaaa agtttccact 360
 cttggattgg acttgacggt 380

<210> 1095
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (382)..(382)
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<400> 1095
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 attgaaatgg tgatccatga tggaagtgat ggaacggtga accaccgccc cctctgtgat 180
 tatttgcaga ttctggatct aaaggatctt caccggtgtc aaactgagct cttttctcag 240
 gatcagtaag aacctcttta gcagcagcaa tatctataaa tttattctct gctattttct 300

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tttcatcatc tttgaaatta tcaggatgcc atttttgtgc tgcttttcga taagctttaa	360
tgatctcttg ctttgtagct gntcttttta cacctagaat tttataatag tctcttctct	420
cagcttgctt ttgtaacctc tgagccttca aaagcccatc tttcgctctc tgacatgctc	480
atttatttcc aagctgat	498

<210> 1096
 <211> 281
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (151)..(151)
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ttatacatat tttttatatt taattgcaca natcatttgt gtattttatta tattaantga	180
ctactttatg ataatttgaa tgctaaatta gnctattcaa gattgttttc ctgggtttaag	240
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<210> 1097
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<220>
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 <222> (210)..(210)
 <223> n = unknown

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 <223> n = unknown

<220>
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 <222> (460)..(460)
 <223> n = unknown

<220>
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 <222> (500)..(500)
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 caatttatct atgcatttag tttatccatt ttctaactta caaaatataa ttctaaatag 180
 ttcaataagt aacagaatct aataataacn taaataatnn tatttaacct ctggacagta 240
 aacatggtag agatttttaa atgacaaaac acattcttga aaatgaagtt caaaacaata 300
 tctagttttg atcaagagtt tctttggtta tgactaaagt tttcaaacad caccgtaaga 360
 atggnataat tgacttgaat aatgcttcct atcaatcaat ttttatgtaa tcataaaaagt 420
 taaaattaaa caggaatgct ggttttaaata actgcccttn cacaaaaatt tatttcatct 480
 cttaattcac atagataagn 500

<210> 1098
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (45)..(45)
 <223> n = unknown

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 <222> (72)..(72)
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 <222> (471)..(471)
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<400> 1098
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 ggtgcattaa cttttattca actagattaa atttttgggt tacttctatg cctcacatca 180
 gtgtccttca tgtgatcagg agtatTTTTT cgatctggac ttttgatctg tatcactctc 240

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ctccatttca gctttgttgc gtttcttttc ataatgaga ataatcgcg ataaaattat 300
tacttcagca cagatcccaa aaatggccac aaagcagctn atttatcttg aactcnnacc 360
aaggntgtag aataacagta attccaatgc cttgattagt agcaatacat gttattctcc 420
tcgatcgctt tttcagccaa atcaatttcc aaagcagaat ttggttattg ncatgatcta 480
acaatttgat tcgacggtga 500

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<210> 1099
<211> 465
<212> DNA
<213> Ctenocephalides felis

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<220>
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<223> n = unknown

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<220>
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<220>
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<220>
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ttattgaatt acaacacttt gaaagcatta agtgcctttg ttagatttta acaatatcaa 180
cataataaat aattatatta aaaattatth aattcactca ttttaaacia aataaatttc 240
atatacaata tttaataaat cctgacaaaa ttgtatttaa tttacttgat attttaata 300
ataaatgttt tagttagaat attaaggaaa cgtatacatt aaaataaaat gatatgntct 360
tcacctttat cttttcaata ataccgaaat tcgaattagt atggnttncg cttaaattaa 420
atatgtttgn ctaaactgcc aatcaagaaa tcattttaaa taagg 465

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<210> 1100
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 <212> DNA
 <213> Ctenocephalides felis

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<220>
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 <223> n = unknown

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 <223> n = unknown

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 <222> (465)..(465)
 <223> n = unknown

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<400> 1100
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 gccgcccgtg ttaaattaag taaacttttt caagatgatg cccgcacttg cagacccagt 120
 ggcttttcgcc aaggatttcg ccgcagggtg tatttctgcc gcagtctcta agactgtggg 180
 agcacccatc gaacgtgtca aaatgcttct gcaagtcaac acatttcaaa caaattgctg 240
 aggataaacg ttacaaaggt atnatcgatt gctttgtacg tatccctaag gagcagggcg 300
 tacttttncct ntggcgtggn aacttggcca atgtcattcg ttattttcaa ctangcttt 360
 gaacttcgca ttcaaagaca agtcaagcaa gttttnttgg gtggaggtgc aagaananc 420
 aaatctgggg tactttgaag aaanattggc atntggnggn gntgntggag ccataatgt 480
 gcttngtcta ccacttgatt 500

<210> 1101
 <211> 306
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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 <222> (272)..(272)
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ttgaatgctg ggggagtang atcaaagttg ccaaataatc gttcataacc aatttaaccc 120
agaacacata ccacaataac atcgctttgc taaaaactac atcaaataatt gtatacacia 180
actatgtcaa accagttggg ctggcaagct atgatacacc aattggagca gtatccactc 240
tggctggatg gggctactta tctaagtggt gncaaattcc caactacttg caaatcgttg 300
acacgt 306

<210> 1102
<211> 243
<212> DNA
<213> Ctenocephalides felis

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<222> (49)..(49)
<223> n = unknown

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<223> n = unknown

<400> 1102
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ccaattccgc nccagtgttg cttgtgcagg tgatcatcatt ttcgttgcat ttacacatt 120
tcaggggatc atttttatta cataggttac tattgcactt tagacaagac ccaaagtgtg 180
cattttcgca ttcttttcta atogaatcag cttcaggtta atcgaccaa caaccttttt 240
ttg 243

<210> 1103
<211> 363
<212> DNA
<213> Ctenocephalides felis

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 <222> (30)..(30)
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 <222> (115)..(115)
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 <222> (140)..(140)
 <223> n = unknown

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 <222> (197)..(197)
 <223> n = unknown

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 <222> (285)..(285)
 <223> n = unknown

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 <222> (289)..(289)
 <223> n = unknown

<220>
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 <222> (294)..(294)
 <223> n = unknown

<220>
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 <222> (323)..(323)
 <223> n = unknown

<220>
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 <222> (352)..(352)
 <223> n = unknown

<400> 1103
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ttggaacctc taaaagttct tccagtagtt catccatagc ttctatcaag ctagnacgat 120

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aatttttatt ggtctccatn gagatccaaa acaagtctgc tttctcattc cattaacagt 180
acgatcaaac tcctcanaat cgtgggtcaa aactgccagt atttctggag gcatttgagt 240
aagaggcaat gtcatcaccg caaaatttta cgcacaaacg caaancatnt gtgntatcat 300
caaactcttg gtcaggaatt atntcattta catccaaatg ttccttcgtg anaatttcta 360
cca 363

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<210> 1104
<211> 500
<212> DNA
<213> Ctenocephalides felis

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<222> (26)..(26)
<223> n = unknown

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<220>
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<222> (181)..(181)
<223> n = unknown

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<220>
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<222> (187)..(187)
<223> n = unknown

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<220>
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<222> (209)..(209)
<223> n = unknown

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<220>
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<222> (245)..(245)
<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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<222> (351)..(351)
<223> n = unknown

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<220>
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<222> (408)..(408)
<223> n = unknown

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<220>

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 <223> n = unknown

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 tttaaaacat atattgctac aaatttaaaa tattaagctg atatcaaaga agttgaattg 120
 aaagctaaca agtttatttt tctgtgatca tttggattca agttatatta tttctatttg 180
 ngattgncta taaaaacaat gaatattgnt tcattgtccc tgctaagtca ttaatatttc 240
 actgnagtta ttaatttaag tttgattgca tccgttgatt ttttccaag aagttaagtc 300
 tttccttttt ttattagtgn ttaaataata ccttttcgtg aagagaaggg ntgattgtat 360
 atttcatttg actaagaaac ctagctgtta tgacttccaa gaaagccnaa cttaacaatn 420
 aacttgggaa aattatgaag agatttttta agccagccct aaagtgatgg agaagtgaat 480
 atttaataaa tatctttatg 500

<210> 1105
 <211> 365
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (61)..(62)
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<220>
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 <223> n = unknown

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 <222> (141)..(141)
 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

<400> 1105
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 nnttctatta agnctccaga ttgatgcatt tgcaacatga tgtcacaacc ccctacaaat 120

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tctccagaaa tataaacttg nggaatagtc ggccaattgg agaaatcctt aataccttgt	180
cttaaaacat catccttcaa taccgtcatg actcttatat tccacaccgn gcaccccat	240
aatttgaacc actgcattgc tgaaaccaca tttgggggct tcaggaacac ccttcatgaa	300
aactaccact tttttgtntt taacaagctt gtttattcta tctgagatcg ctgttgtgct	360
gcagt	365

<210> 1106
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (332)..(332)
 <223> n = unknown

<220>
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 <222> (401)..(401)
 <223> n = unknown

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tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg	180
ataaaacgga gttgcgatgc ataccacgc caccggcga agaatgcaa agtgagattg	240
ctaagtaagg cttaaacag gaaaacaatc ttgaatagac taattaggat tcaaattatc	300
ataaagtagt caattaatat aataaatata cnaatgatct gtgcaattaa atataaaaa	360
tatgtataaa aattaaaatg tataaaattg tattttatgt naggagcaca aacaaaatgt	420
cattaactat agtaatttct gttattttaa atatataaat atagaagctt tatgaaattc	480
atgttctttt taataaaa	498

<210> 1107
 <211> 210
 <212> DNA
 <213> Ctenocephalides felis

<400> 1107	
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ggtccgcaat tatgacgtaa cggatcatat gcaaaatttg cggggcaata atattgggtt	120
cctatactat tttcgtcaca ataataatag ctttgacaat catttatatt tggataaaat	180

ctcgatgggtg acggacattt gaaaccttgt 210

<210> 1108

<211> 500

<212> DNA

<213> Ctenocephalides felis

<400> 1108

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tgcatttgaa actatagttc caatggaaat tcctgtctgc ctcaaacagg ttggatatgt 120

ttccattgct tgcagattca caacataaaa cgtgatgctt atgcaaaaatt tcattaccac 180

ggctaacagt gggaccaaat tctggaggga ttcattcattg gcaatgcata taagaatgga 240

agatgctgcc agagcaattc caaaagaagc tacagagggtc caacgtcttc ctattctgtc 300

gctggagaaa cgtcctagta gatatgctgg taattctact gccgattgat ataaaaagtt 360

gagaaatgga ttacctccca tattgtctac gttcaaaaatt aatgtaaaaat acgtcacgga 420

acatacaatc cagcaaagca caataagtgt agtatttcta gctaaacgta aactagaaaa 480

taaactcatg attccgtaac 500

<210> 1109

<211> 340

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (199)..(199)

<223> n = unknown

<220>

<221> misc_feature

<222> (244)..(244)

<223> n = unknown

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<222> (314)..(314)

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<222> (327)..(327)

<223> n = unknown

<400> 1109

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gataaggcat ttaagaatth tacaatttag atttttttta atccatgaat atattttgttc 120

FC-8-C3.ST25.txt

taatcaaaat tattcatttt acgcttaatt ttattggttg aactaataga tagatagata	180
aagatataga gttaatatna aaatgaagaa aataaattta aaagttagaa ataatacgga	240
cttntaaatg tagggggaag tcccctagtg gcggacacct aaagttattt ataaataaat	300
caaaaaatat tctnaaaaaa aaaaaanaaa aaaaaaaaaa	340

<210> 1110
 <211> 159
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

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taatcctgaa cgtgaaggct cagtatcaat tgtaggagct gtatcaccgc ccggtggtga	120
cttntcagat cccgtcaactt cagctacatt ggggtattgt	159

<210> 1111
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (222)..(222)
 <223> n = unknown

<220>
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 <223> n = unknown

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 <223> n = unknown

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aagatacatg taatttcata aagcttctat atttatatat tttaaataat cagaaattac	120
tatagttaat gacattttgt ttgtgctcct tacataaaat acaattttat acattttaat	180
ttttatacat attttttata tttaattgca cagatcattt gngtatttat tatattaatt	240

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gactacttta tgataatttg aatcctaatt agtctattca agattgtttt cctggtttaa 300
gccttactta gcaatctcac ttttgcattc ttcgccgggt ggcgtgggta tgcacgcaa 360
ctccgtttta tcaaagtgca agccatttgg acaatcataa tgnnttattt gccatttgn 420
ggtaaccaag aaacattgat aatatttttt acaatctctt cgatcggaaa aaacgttttc 480
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<210> 1112
<211> 210
<212> DNA
<213> Ctenocephalides felis

<400> 1112
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ggtccgcaat tatgacgtaa cggatcatat gcaaaatttg cggggcaata atattggggt 120
cctatactat tttcgtcaca ataataatag ctttgacaat catttatatt tggataaaat 180
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<210> 1113
<211> 467
<212> DNA
<213> Ctenocephalides felis

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<222> (429)..(429)
<223> n = unknown

<220>
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<222> (444)..(444)
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ctgataaatt gcctgcaaga atgagtttca gggaacgaaa agaatcggcc aaatgcatgc 180
aaaaggttgc attaaatata caactagcag cagccagagt ttcaactgat gttggcatta 240
aagtaggaga agccctcagg aatgtagtgg aacttcgttt agatttggga aaatgttctt 300
cagacaattt gaataaatgg gaatccagat tggaagaaat taatgatgtt gtggaaaatt 360
gcatcgtgtg aaattgtaac ttgaaataat ttttcttaac tattagtttt atagatgaac 420
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<210> 1114
 <211> 314
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 attattgact gttttatttt tcgtttgatt ttgtgctgaa atgatgcaaa agaataatt 180
 ttgagcaaaa cctacctctt tttaatttga aaactataga gtgtattatt aatgtttcca 240
 attccataga atgtatatatt gtagattagt aaaggtaatt aatgcnnaaa aaaaaaaaaa 300
 aaaaaaaaaa aaaa 314

<210> 1115
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 <212> DNA
 <213> Ctenocephalides felis

<400> 1115
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 ttacttctac tctggtgcat taacttttat tcaactagat taaatttttg gtttacttcc 180
 tatgcctcac atcagtgtcc ttcattgtgat caggagtatt ttttcgatct ggactttgat 240
 ctgtatcact ctctccatt tcagctttgt tgcgtttctt ttcataaatg agaataatcg 300
 cgcataaaat tattacttca gcacagatac caaaaaatgg ccacaaagca gctaatttat 360
 cttgaactcg aaccaagggg gtagaattaa cagtaattcc aatgccttga ttagtagcaa 420
 tacatgtata ttctctcga tcgctttt 448

<210> 1116
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1116
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gtgcattaac ttttattcaa ctagattaaa tttttggttt acttcctatg cctcacatca	180
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tccatttcag ctttggttgcg tttcttttca taaatgagaa taatcgcgca taaaattatt	300
acttcagcac agatacccaa aaatggccac aaagcagcta atttatcttg aactcgaacc	360
aagggtttag aattaacagt aattccaatg ccttgattag tagcaatata tgtatattct	420
cctcgatcgc ttttttcagc caaatcaatt tccaaagcag aatttggtat attgcatgat	480
ctaacaattt gattcgat	498

<210> 1117
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1117	
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gtgcattaac ttttattcaa ctagattaaa tttttggttt acttcctatg cctcacatca	180
gtgtccttca tgtgatcagg agtatttttt cgatctggac tttgatctgt atcactctcc	240
tccatttcag ctttggttgcg tttcttttca taaatgagaa taatcgcgca taaaattatt	300
acttcagcac agatacccaa aaatggccac aaagcagcta atttatcttg aactcgaacc	360
aagggtttag aattaacagt aattccaatg ccttgattag tagcaatata tgtatattct	420
cctcgatcgc ttttttcagc caaatcaatt tccaaagcag aatttggtat attgcatgat	480
ctaacaattt gattcgat	498

<210> 1118
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1118	
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tcgtacccaa aattctcttt ggatcttgat catgttaaag ttgctttaac ggcattggct	180
cgtatgcatg caagttgcat tatctacgag aagaaaaaaa attggtgcat ggggagagtt	240
tacaaagatc ttatgttcga gactatggcc aataataatc aatgggtggag gactggagag	300
gatactgctt tagcaattgc tgaggaatct gagaaattcg gtaaataatc cgaataccat	360
tccatggtac aggagaagtt aattgatttc ctgagattgg catgggtctat ggtaaaacca	420

tcgcgcattt ataaaaatgt ggtatgcccc gcgatacgcg caatcacaat ttgatgttca 480
aatataattc aactggct 498

<210> 1119
<211> 428
<212> DNA
<213> Ctenocephalides felis

<400> 1119
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ggagacaacg tctgaagtca tttccattcc ttggtttaaa tcaccatttg atttagcaga 180
atgaggagct tcatctttat ttttcttggg tgccatcaaa tataatgggt tgcctaagag 240
catgagcgga atacagcaga gcccaattaa cacaaatatt ttttgaattt gctgttgtcc 300
ttcaaacata aattcatcgc attgttctgc tggagatcct tgcttgaata acatcatgtt 360
aatgaacaga atcaaaactg atggtgcgca gcagggttca aatctgatgt ctgtattatt 420
tgcagagt 428

<210> 1120
<211> 468
<212> DNA
<213> Ctenocephalides felis

<220>
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agttattgaa ttacaacact ttgaaagcat taagtgcctt tgtagattt taacaatatc 180
aacataataa ataattatat taaaaattta ttaattcac tcattttaaa caaaataaat 240
ttcatataca atatttaata aatcctgaca aaattgtatt taatttactt gatattttta 300
ataataaatg ttttagttag aatattaagg aaacgtatac attaaaataa aatgatatgt 360
tcttcacctt tatcttttca ataatacgaa attcgaatta gtatggcttc gcttaaatta 420
aatatgtttg tctaaactga ccaatcaaga aatcatttta aataaggt 468

<210> 1121

<211> 352
 <212> DNA
 <213> Ctenocephalides felis

<400> 1121
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 taaaaacgat taactttcat tcagaagttt ttgttaatat aacaatagta tctgaaaaat 120
 attaaaaaca tctgtcaaaa atatgcaaag taatttcatt caattataaa aagatttttc 180
 aataattttac aaaaattaaa aacatttttg aaaagatata aatatcagca catgttaaata 240
 agtaagagac aagaaacatg acctttaaaa tttaatccgt gttgcatata caacaatgta 300
 ttttaaactg tgattttggc aaccatcact tcattttattg catacgtaat gt 352

<210> 1122
 <211> 386
 <212> DNA
 <213> Ctenocephalides felis

<400> 1122
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 atcgttggat tcttactgct gctacttgcg tgttaaataa atatccaaat gatattcttc 120
 tcgtcgttgg aaccaacact ttgaatgctg gcggagtagg atacaaagtt gcccaaataa 180
 tcgttcataa ccaatttaac cagaacacat accacaataa catcgctttg ctaaaaacta 240
 catcaaataa tgtatacaca aactatgtca aaccagttgg tctggcaagc tatgatacac 300
 caattggagc agtatccact ctggctggat ggggctactt atctaattgg ggcaaattcc 360
 caactacttg caaatcgttg acacgt 386

<210> 1123
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1123
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 catgcaaaag tgaaaacggt ttttccgatc gaagagattg taaaaaatat tatcaatggt 120
 tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccggcga agaatgcaaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt 420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt 480

catgtatctt tttataaa 498

<210> 1124
 <211> 476
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (12)..(12)
 <223> n = unknown

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 <222> (26)..(26)
 <223> n = unknown

<220>
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 <222> (53)..(53)
 <223> n = unknown

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 <222> (366)..(366)
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 cgatcatggt caaatgcctg gaaaagttag cagaaaagcc caagagttga ttagaaaact 120
 ctgtagacct gcacctgcgg agagactagg atatcaaaaa aatggattgc aggatgttaa 180
 aaaccattca tgggtattcat cagtttcatt cgactgggtg agtctcaaat ctcaagaaat 240
 gcctgcgcca ctgggtccgca cagtagaaaa ttcaacagat atgagaaaact ttgacaaaatt 300
 cccgaagaac agagaatttc cacctgatga attatcaggt ttcgatataa acttttataaa 360
 acactnattt gcacacctga taatgttaca taaaatctac gtggctgcag cgctgatata 420
 agtaattggt attataaata cagatgtcat tcttgaatat aagaaattat ttatat 476

<210> 1125
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 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (291)..(291)
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<222> (492)..(492)

<223> n = unknown

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ggctttcgcc aaggatttcg ccgcangtgg tatttctgcc gcagtctcta agactgtggt 180

agcaccatc gaacgtgtca aaatgctcct gcaagtcaac acattttcaa acaaattgct 240

gaggataaac gttacaaagg tatcatgat tgctttntac gtatccctaa ngagcagggc 300

gtacttttct tntggcgtgg taacttggcc aatggcattc gttatttncc aactcangct 360

ttgaacttcn cattcaaaga caagtcnagc aagttttntt ggggtggagnt gcaaagaaga 420

ccaatttttg cggtaacttc aagaaacttg gcatnttggt gngctgctgg agcacatatt 480

gtgnttcgtc tnccacctga 500

<210> 1126

<211> 313

<212> DNA

<213> Ctenocephalides felis

<400> 1126

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cgtggcatat ttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc 120

atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180

aaactttggc cttcgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt 240

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tttctttaac cgt 313

<210> 1127

<211> 500

<212> DNA

<213> Ctenocephalides felis

<400> 1127

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gaattgttag agaatctgaa caacggttcg ttgttcttca gctacgaata caaccggcac	180
tgtaaagggg ctttgaagaa actggctcgg aagctgctcc acgtaggac ggccgtgctg	240
aagattggga acaagtaaag attaccagga aagggaaacg atgatgacca ggaacagaat	300
tataccgcat cttagccaac gtcttcggac atcatgtcaa catcattcat cacaaatata	360
atcgcagttt aggtagtaat agttaacact ttaggatagg aaataagctt aaagaaggga	420
acaagaacca tgatcttgga ataactgttt ctgatttcgt aattgaaaat aaaagaaata	480
ctgaaggggt acatgttctg	500

<210> 1128
 <211> 163
 <212> DNA
 <213> Ctenocephalides felis

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<210> 1129
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 <212> DNA
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<220>
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<400> 1129

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gaatgtggat gagctcaaga ttgtanaact gagtttgatc tacacaattt ttgcctaaaa      180
ggttcgacta ctcanaaagc agccaccgga gattccatac cgcctcacat ttgacaataa      240
aatatatgta taatgttaaa taggatttta atggaaaaaa gccaatttaa tacttttagca      300
ttatgaatat gtatttccaa attattctat aacgaattta acctaaaatc aagaaataca      360
tattcataaa tatacatata ttttaataca aaaaggtaac ttgtgcaaaa atgaaattca      420
aatacactng gttttgctaa ttnaaatngn ttttagattt ttctcttttt ttgntatggn      480
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<210> 1130

<211> 498

<212> DNA

<213> Ctenocephalides felis

<400> 1130

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tcttggttaa caacaaatgg caaataaaaac attatgattg tccaaatggc ttgcactttg      180
ataaaacgga gttgcgatgc ataccacgcg caccggcgga agaatgcaaa agtgagattg      240
ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc      300
ataaagtagt caattaatat aataaatata caaatgatct gtgcaattaa atataaaaaa      360
tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcgca aacaaaatgt      420
cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt      480

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 <211> 500
 <212> DNA
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aatgtggatg agctcaagat tgtagaactg agtttgatct acacaatttt tgccataaaag	180
gttcgactac tcanaaagca gccacccgtg gattccatac cgccctccatt tgacaataaa	240
atatatgtat aatgtttaa ataggatttttaa tggaaaaaag ccaattta atacttagcat	300
tatgaatatg tatttcctaaa ttattctata acgaatttaa cctaaaatnc aagaaataca	360
tattcataaa tatacatata ttttaataca aaaaggtagc ttgtgcaaaa atgaaattca	420
aatacacttg gtttgcta attnaaatagtt ttagantttt ctctttttgn tatgggggggt	480
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 <212> DNA
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<220>
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 <222> (425)..(425)
 <223> n = unknown

<220>
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 <222> (485)..(485)
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tgtcaaactc taaaattact cactgcaaat caattcta atgcaggtttat caaaatgtaa	180
acaaactaaa aatcagatct ttacgtttta tgatttaaca atacataacc aaagagggtg	240
cacagcaata agcattgttt catacttcac acataaataa attaaataaa aaagaaaacc	300
aatcctgcag tttttatgca ttagaaaata tgtgtgcaac ctatttttct tatcattttt	360
aaagggggat gtctataaaa atgttatttt agcaaacagt tatagatatt gtattcgcta	420
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<210> 1133
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 <212> DNA
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 tatattcctg aactgnttta ttgaattta ttttaaacac aaactttaat tatattcaaa 180
 taatgatgga cgtgatttca tatatcccta aactttggat cagagtttga gagaagccta 240
 gccatagtgt atagaaaatt atgtgtaggt gtataattaa gattgncagg agtcaaatat 300

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ataaagcatt gatacaaatt atacattcca attttctgta aaccgngttc tttggntgat 360
tatggnttat atcacaattt atgaatcatg taaattaatt gnaaatttga aatgtatctc 420
cgatgtggnt gtnnaaaaaa aaaaaaaaaa aaaaaaa 457

<210> 1134
<211> 386
<212> DNA
<213> Ctenocephalides felis

<400> 1134
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agaaaatgat tcaagtagca acttctgaat tttctttgta attgataata ctttctcaaa 120
gtataattgc atttcacaac acacgacgga aatatgggta tgggccatat gaagcaatgc 180
tcgttcttct atccacttgc ttctgataaa tgttcgggtat aaagaatgca atcactccac 240
atgctatcag agatgttcct gatattaaaa atgttaaadc gcaattataa tctagaatta 300
ttcctacaac attgcttcca acaacacttc ctaatcgacc catcattaaa gatatacata 360
ctgccattgc ctgagttgtg taggggt 386

<210> 1135
<211> 498
<212> DNA
<213> Ctenocephalides felis

<400> 1135
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gcatttgaaa ctatagttcc aatggaaatt cctgtctgcc tcaaacaggt tggatatgtt 120
tccattgctt gcagattcac aacataaaac gtgatgctta tgcaaaattt cattaccacg 180
gctaacagtg ggaccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa 240
gatgctgcca gagcaattcc aaaagaagct acagaggtcc aacgtcttcc tattctgtcg 300
ctggagaaaac gtcctagtag atatgctggg aattctactg ccgattgata taaaaagtgt 360
agaaatggat tacctcccat attgctcacg ttcaaaatta atgtaaaata cgtcacggaa 420
catacaatcc agcaaagcac aataagtgtg gtatttctag ctaaactgaa actagaaaat 480
aaactcatga ttccgtaa 498

<210> 1136
<211> 495
<212> DNA
<213> Ctenocephalides felis

<220>
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 <222> (165)..(165)
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<220>
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 <222> (175)..(175)
 <223> n = unknown

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 <223> n = unknown

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 <223> n = unknown

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 <222> (489)..(489)
 <223> n = unknown

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 tttatacatt ttaattttta tacatatttt ttatatttta ttgcncanat cattngngta 180
 tttattatat taattgacta ctttatgata atttgaatcc taattagtct attcaagatt 240

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gttttcctgg ttttaagcctt acttagcaat ctcacttttg cattcttcgc cgggnggcgt 300
 gggatatgcat cgcaactccg ttttatcaaa gtgcaagcca tttggacaat cataatgttt 360
 tatttgccat ttgntgntaa ccaagaaaca ttgataatat tttttacaat ctcttcgac 420
 ggaaaaaacg tttcactttt gcatgcagtc tgcacganaa anaatttggg caaaccattc 480
 ggtgcgcgnt tcaca 495

<210> 1137
 <211> 300
 <212> DNA
 <213> Ctenocephalides felis

<400> 1137
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 tcattttataa agatttaatg tttcgagtgc ttcgtataat agaacaccta taaaaacttt 120
 tttttgatat tcgtgttgat actatataaa tttttaaaat cttattttat taattcactc 180
 atacttttag cacagattta atactgcaaa aattcaatca aatttattat atacagatac 240
 aacaatccag cttgtcacta ctctcactct aaataactac atgactatca acctctctgt 300

<210> 1138
 <211> 430
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (9)..(9)
 <223> n = unknown

<220>
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 <222> (17)..(17)
 <223> n = unknown

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 <222> (77)..(77)
 <223> n = unknown

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 <223> n = unknown

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 <222> (126)..(126)
 <223> n = unknown

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 <223> n = unknown

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 <222> (238)..(238)
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 <222> (263)..(263)
 <223> n = unknown

<220>
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 <222> (384)..(384)
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 tgaatncttc atcaatatat taatataatt taggtttcct ctcncaagtt cctgtgttgc 180
 agctttgagt agcttggtta aatactgttc caatcggaca ttgatcagga actggctntc 240
 ctttaggacg taaacacgtg aanaacttcc ggcatgttgc gtcgttcttg aaagcaaatt 300
 ttccacgtgc tcggcattgc ccgacacagg tttcgtcct tggggaaaac tcggcggtt 360
 cttcgcattg caatacgggt cctnttcggc catacatag acgtccatac cccgagtgtg 420
 aaaaggcttt 430

<210> 1139
 <211> 370
 <212> DNA
 <213> Ctenocephalides felis

<400> 1139
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 aggtattgaa acaattatcc atcctggaac aaagacgttc agatgatgag gatatcgttg 120
 ctgatgttga atatttgacc gaaaaattac aagcttccat tcaagacctt agcttatttt 180
 gatgaatatg ctacagaaat caagtccggc agattggaat ggtcacctgt tcacaaatct 240
 gctaagttct ggagagagaa tgccccacgt ctcaatgaga agaattatga gttattgcgt 300
 atattgatcc acttcttgaa agctctcgtg atccccttgt ctgctgtagc ctgctttgat 360
 attggagaag 370

<210> 1140
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (38)..(38)
<223> n = unknown

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<222> (117)..(117)
<223> n = unknown

<220>
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<222> (195)..(195)
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<222> (313)..(313)
<223> n = unknown

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<222> (318)..(318)
<223> n = unknown

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<222> (392)..(392)
<223> n = unknown

<220>
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<223> n = unknown

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<222> (448)..(448)
<223> n = unknown

<220>
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<222> (478)..(478)
<223> n = unknown

<220>
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<222> (486)..(486)
<223> n = unknown

<400> 1140
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tatatttata tatttttaa	aatcagaaat tactatagtt	aatgacattt tgtttgngct	120
ccttacataa aatacaattt	tatacatttt aattttttata	catatttttt atattttaatt	180
gcacagatca tttgngtatt	tatttatatta attgactact	ttatgataat ttgaatccta	240
attagtctat tcaagattgt	tttcctgggt taagccttac	ttagcaatct cacttttgca	300
ttcttcgccg ggngggcngg	gtatgcatcg caactccgtt	ttatcaaagt gcaagccatt	360
tggaacaatca taatgtttta	tttgccattt gntggtaacc	aanaaacatt gataatattt	420
tttacaatct cttcgacgga	aaaaacgntt tccttttgca	tgcattctgc cgagaaanaa	480
ttgggncaaa ccattccgtg			500

<210> 1141
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1141			
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atgagactta tgacgaatca	tccgatcgaa tcaaattggt	agatcatgac aatataccaa	120
attctgcttt ggaaattgat	ttggctgaaa aaagcgatcg	aggagaatat acatgtattg	180
ctactaatca aggcattgga	attactgtta attctacaac	cttggttcga gttcaagata	240
aattagctgt tctgtggcca	tttttgggta tctgtgctga	agtaataatt ttatgcgcga	300
ttattctcat ttatgaaaag	aaacgcaaca aagctgaaat	ggaggagagt gatacagatc	360
aaagtccaga tcgaaaaaat	actcctgac acatgaagga	cactgatgtg aggcatagga	420
agtaacaaaa aatttaatct	agttgaataa aagtaatgcc	cagagtagaa gtatcaaaga	480
gcaaaaatta ttattcgt			498

<210> 1142
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (55)..(55)
 <223> n = unknown

<220>
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 <222> (180)..(180)
 <223> n = unknown

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 <222> (365)..(365)
 <223> n = unknown

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 <223> n = unknown

<220>
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 <222> (456)..(456)
 <223> n = unknown

<220>
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 <222> (483)..(483)
 <223> n = unknown

<400> 1142
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 attctgcttt ggaaattgat ttggctgaaa aaagcgatcg aggagaatat catgtattgn 180
 tactaatcaa ggcattggaa ttactgttaa ttctacaacc ttggttcgag ttcaagataa 240
 attagctggt ctgtggccat ttttgggtat ctgtgctgaa gtaataattt tatgcgcgat 300
 tattctcatt tatgaaaaga aacgcaacaa agctgaaatg gaggagagtg atacagatca 360
 aaggncagat cgaaaaaatc ttctgatcca tgaaggcact gtgtgaggna taggaggtaa 420
 cccaaaaatt aatctagtgg ataaaagtta tgcccnagat gaagtatcaa agagccaaaa 480
 atntattcgt tcattttt 498

<210> 1143
 <211> 367
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (98)..(98)
 <223> n = unknown

<220>
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 <222> (127)..(127)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (143)..(143)
 <223> n = unknown

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<220>
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<222> (262)..(262)
<223> n = unknown

<400> 1143
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ggggtgttct tggggtctgg caacattcca cgagcggngt catagaatcc aaagtatgct      120
gcacggnaga tgatgatcct tgnacagata ctccaaaacc acggtacaat ccagggagac      180
catcagactt gaagattttg gtcaagcagt tgcccaatcc agagaattca cgttgaccag      240
cgcttttacc tacatcagcg gncaatctgg tacgggcgaa atcaagtggg tagacgaagc      300
acaatgatgt gggtcagcag caccaccaga tgccaagttt ctgcgaagta cgccagaaat      360
gggtcttt                                     367

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<210> 1144
<211> 402
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (153)..(153)
<223> n = unknown

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<220>
<221> misc_feature
<222> (156)..(156)
<223> n = unknown

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<400> 1144
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agactcaaat tccgatgctc cattttgtgt agatgatatg tgctcatcaa aacctgggga      120
aaactgtaag acggcagaaa ctacatgcgc ggntgnagga tatcagccag aatccgaaag      180
actgcacaag atacttattc tgcaaagatg gtaaagggtca ggttttcgaa tgcccaccta      240
actatgtata tgatcattct aaaaatatgt gtaaaaagaa atcgcagaag ctgattgcac      300
cgtcatgaaa tgcacaaatc caattctttt atacctatgc accggcccat caatttatgc      360
ttggtgcaat ggcaaaatgg acccgatcgg cccctgaatg gg                                402

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<210> 1145
<211> 460
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (392)..(392)
<223> n = unknown

<400> 1145
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aaataattta tatatcatga acatagaaag tgtttatgta tcatttcatt cttatatcaa      120
tctaaaaatt ataatattat gaaatataaa ttttagttgt aaaattgaaa tatgtcgagg      180
ttataaatca taaaaaatta taatataact atacctccta aaatagcatt gccaatagtt      240
tgtttatata aacttctggg cgatcgaact tcttttcggt catttcccga gattaaacat      300
gaaaagccca cggttttcga atgcattgaa taaaatgatt tgcttaatcg cagcctaata      360
taatattcat caggctatta tgaaaatatt gnatacaatt tttatataaa aaccattcat      420
atagaaacat ttagaaaaat ataaatttta tattcggtat      460

<210> 1146
<211> 134
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (103)..(103)
<223> n = unknown

<400> 1146
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ataccaactt atttatattaa taaactgatt atagattaga ttnttaaaaa aaaaaaaaaa      120
aaaaaaaaaa aaaa      134

<210> 1147
<211> 242
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (213)..(214)
<223> n = unknown

<400> 1147
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tacaatttag atttttttta atccatgaat atatttggtc taatcaaaat tattcatttt      120

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acgcttaatt ttattggttg aactaataga tagatagata aagatataga gttaatataa 180
aatgaagaa aataaaatta aaagttagaa acnnaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aa 242

<210> 1148
<211> 463
<212> DNA
<213> Ctenocephalides felis

<400> 1148
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gtaaaaaata ttatcaatgt ttcttgggtta acaacaaatg gcaaataaaa cattatgatt 120
gtccaaatgg cttgcacttt gataaaacgg agttgcatg catccccgcc acccggcgaa 180
gaatgcaaaa gtgagattgc taagtaaggc ttaaaccagg aaaacaatct tgaataggct 240
aattaggatt caaattatca taaagtagtc aattaatata ataaatcaca aatgatctgt 300
gcaattaaat ataaaaaata tgtataaaaa ttaaaatgta taaaattgta ttttatgtaa 360
ggagcacaaa caaatgtca ttaactatag taatttctga ttatttaaaa tatataaata 420
tagaagcttt atgaaatcaa aaaaaaaaaa aaaaaaaaaa aaa 463

<210> 1149
<211> 372
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (43)..(43)
<223> n = unknown

<220>
<221> misc_feature
<222> (181)..(181)
<223> n = unknown

<220>
<221> misc_feature
<222> (307)..(307)
<223> n = unknown

<400> 1149
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tcgtggaact tcgttttagat ttgggaaaat gttcttcaga caatttgaat aaatgggaat 180
ncagattgga agaaattaat gatgttgttg aaaattgcat cgtgtgaaat tgtaacttga 240

FC-8-C3.ST25.txt

aataattttt cttaactatt agttttatag atgaacaaat acataatcta ataaaccagc 300
aagtggcnctt taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aa 372

<210> 1150
<211> 416
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (344)..(344)
<223> n = unknown

<220>
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<222> (395)..(395)
<223> n = unknown

<400> 1150
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ataaaacatt atgattgtcc aaatggcttg cactttgata aaacggagtt gcgatgcata 180
ccccgccac cgggcgaaga atgcaaaagt gagattgcta agtaaggctt aaaccaggaa 240
aacaatcttg aatagactaa ttaggattca aattatcata aagtagtcaa ttaatataat 300
aatcacaaa tgatctgtgc aattaaatat aaaaaatatg tatnaaaatt aaaatgtata 360
aaattgtttt tatgtaagga gcgcaaacia aatgncatta actatagtaa tttctg 416

<210> 1151
<211> 481
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (28)..(28)
<223> n = unknown

<220>
<221> misc_feature
<222> (426)..(426)
<223> n = unknown

<400> 1151
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FC-8-C3.ST25.txt

tcaacgggtc cgtcagatca agactgggtt tgtgatagag aactctatgt aactaataca	120
tttgctattg gacgtgcagg cgaagtcata ggcacattta tttttggaca aattaggaga	180
taggattgga agaagaccag tattttactt aagtctcatc acaatcgtca ccggaagact	240
aattacagca ttactttcca gttggtttat tgtttttata acagcggctt ttcttggttc	300
actaacatct acatctgttt ttcaaagccc ttgataatt gcgatggaaa tatccagaag	360
tgaagataga gcacacattg ccatgatgca gtccatcggg tggccagtgg aatgattctt	420
atgcgnactg atgtgggcga cgcgagaatg gttatctttg ctttggtagc actattccat	480
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<210> 1152
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (43)..(43)
 <223> n = unknown

<220>
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 <222> (334)..(334)
 <223> n = unknown

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atgagcccg accaggagta gtacctactc ctgaacctac acctgtaccg aaacccgagc	180
aaaaaatgta aaaaagtaaa atttagttgc gtgaattcgt gcagttcacc cgaaatgcag	240
tattgtccgg aaataggagc agatccggtt aaggaatcct gtagcccaga tcaagtgtgc	300
gctgatcaaa gtggatatct acagtgcacc actnaagaaa gtcagtctgc aaagtacaag	360
gtttcaaagt tccgtcacca tcgagatttt atccaaatat aaatgattgt caaagctatt	420
attattgtga cgaaaatagt ataggaacct aatattattg cccgcaaatt ttgcatatga	480
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<210> 1153
 <211> 438
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (436)..(436)
 <223> n = unknown

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 tgtatcagtc tttgaccagc ctaatgcaaa cagatacatt gtttgaatag cagaaaaatg 180
 ctatgtcgga gtatagtgc aatgtcactc caataacatc atttacataa atccagtctt 240
 ttaacaaagt caaatccaaa aagtcaacga taacttgcaa ttttcccctg gatttcttct 300
 ctaccgggtgc agtagtgcta tcaactgaca tgactgctcc agtccaatta cctaaactag 360
 aaatggaaga tccacgtctt ctcattctat gttcttcata ttgaagcacc ttaactggag 420
 ttacgccttc tatatncc 438

<210> 1154
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (364)..(364)
 <223> n = unknown

<220>
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 <222> (375)..(375)
 <223> n = unknown

<220>
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 <222> (378)..(378)
 <223> n = unknown

<220>
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 <222> (384)..(384)
 <223> n = unknown

<220>
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 <222> (478)..(478)
 <223> n = unknown

<400> 1154
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FC-8-C3.ST25.txt

gcattcttgggt cgattttccaa agatgcacct acaatccacc agcttttgat ttcaatcatc	180
ttctatatca gacaacatcc agaagcttta gagaccagca ctatgaggaa ttgaagaggt	240
tctacagagc agcatttggt gaaaatatca cgaaggaaca tttggatgta aatgatataa	300
ttcctgaaca agagtttgat gatagcacag atgatttgcg tttgtgcgct aaaattttgg	360
cggngatgac attgncnttt actnaaatgc ctccagaaat actggcaggt ttgagccacg	420
attctgagga ggttgatcgt ctggtaatgg aatgagaaag cagactgggt ttgatctnat	480
ggagaacaat gaaaaatatac	500

<210> 1155
 <211> 377
 <212> DNA
 <213> Ctenocephalides felis

<220>
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agctgtttca tcatcgggtca ttccgctgggt tttgtttntc tgagcaatat ataggaatgg	180
tattaagtaa cccatcatag taaagaaacc actgaaggcg agcaaaagga atgacggcga	240

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acgcatcaag ttcatatnta acatggtagc gagagntcga cggaacgctt ctggggcaaag 300
 cttgcaagaa gactgntctt tgacattcgc ccgagtaggt aatctagtta cngncatgtg 360
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<210> 1156
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 taataatagc tttgacaatc atttatatatt ggataaaatc ncgatggtga cggacatttg 180
 aaaccttgt 189

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 tctagggttt ctattgtgaa aaactgtact tactaaggag gcattagtgc tgttttgtcg 180
 tcactttgat taaataaagt cttcaacatt ttcacttagt gaaattttga ggtaggttt 240
 tgatttttagt gatgnttaaa ttgatgtaaa aataatactg cactttttatt ataagaactt 300
 cttatattat ataaacaggt atgatcttgn ttttgacaaa aggttgtaat tattgggtttt 360
 ggntatattg agcaaaatcc actgntgctn cacaagcaag 400

<210> 1158
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 nttcaggatc gcgtatggcc tcatttntgt gngtcaacct gcggtcaaca tcgccaatcc 180
 atgttaccaa tcgataccta cgattagcaa acatttcacc gagtcccaaa cgttntntta 240
 acctatggca ctgcatagct aattgatggc caagatcgcc atgctgttgc cacagaatcc 300
 aaaccatttg atttattggt ttcatatctg ctggactaac gcattctttt agttgttctt 360
 gagtaactcc taaatcttca agtttgggtg ngagatcaac taaacgagtg cgctgtaatc 420
 gtaaattatn cagacaatta cgcataccgg tattagaaga tggagaactt gatgaatcta 480
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<210> 1159
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 ataaaacatt atgattgncc aaatggnttg cactttgata aaacggngtt gcgatgcata 180
 cccacgccac cgggcgaaga atgcaaaagt gagattgcta agtaaggntt aaaccangaa 240
 aacaatcttg aatagactaa ttaggattca aattatnata aagtagtcaa ttnatataat 300
 aaatacacia atgatctgtg ccatttatna aaaaa 335

<210> 1160
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 attttctaac ttacaaaata taattctaaa tagttcaata agtaacagaa tctaataata 180
 acataaaata ataatatata acctctggac agtaaacaatg gcagagattt taaaatgaca 240
 aaacacattc ttgaaaatga agttcaaaac aatatctagt tttgatcaag agtttctttg 300
 gttatgacta aagttttcaa acatcacgta agaatggtaa taattgactt gaataatgct 360
 tctatcaat caatttttat gtaaatcata aaagttaaaa ttaaacggga atgtctgtta 420
 taaaattaac tgctcattc cacaaaaata ttatttcata tctnaattca catagataaa 480
 gnggcgtttt cacgtgaact 500

<210> 1161
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 <212> DNA
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 tacaatttag attttttttaa atccatgaat atatttggtc taatcaaaat tattcatttt 120
 acgcttaatt ttattgggtg aactaataga tagatagata aagatataga gttaatatata 180
 aaatgaagaa aataaaatta aangccnaaa aaaaaaaaaa aaaaaaaaaa aaaaaan 237

<210> 1162
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 <212> DNA
 <213> Ctenocephalides felis

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 atatgatacg taagataaaa ttcacataat ctatattatt ttgctattaa tattaactta 180
 attcttaaatt ttatttctta tttttcattt ttaaccacgc catctcggca agccatggta 240
 tacagcaaatt gagtaagcac acagtcaagg catgaaaaca tattatgtag ctgtgtgttg 300
 catctcgaat aaacccaacg attggacceca aagccaatgt cattattcct tgcaagaaca 360
 tgaacagccc gtatgctgaa ggaaatctct cctgtgaaaa atattcggcn aataactaaag 420
 gnaaaggcac atgaattcat g 441

<210> 1163
 <211> 110
 <212> DNA
 <213> Ctenocephalides felis

<400> 1163
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 ctggaatttg tttcaactgg aattagttct tgagactcca aagacaatgt 110

<210> 1164
 <211> 484
 <212> DNA
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 ataaaacatt atgattgtcc aaatggcttg cactttgata aaacggagtt gcgatgcata 180
 cccacgccac cggcggaaga atgcaaaagt gagattgcta agtaaggctt aaaccaggaa 240

aacaatcttg aatagactaa ttaggattca aattatcata aagnagtcaa ttnatataat 300
aaatacacia atgatctgng caattaaata taaaaaatat gtataaaaat taaaatgnat 360
aaaaatgttt ttatgtaagg ggnccaaacc aaaagncatt aactatagna atttctgntt 420
atttaaaata tataaatata ggaagcttta tggaatcaaa aaaaaaaaaa aaaaaaaaaa 480
aaaa 484

<210> 1165
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acataaaacg tgatgcttat gcaaaatttc attaccacgg ctaacagtga taccaaattc 180
tggaggggatt catcattggc aatgcatata agaattggaag atgctgccag agcaattcca 240
aaagaagcta cagagggtcca acgtcttcct attctgtcgc tggagaaacg tcctagtaga 300
tatgctggta attctactgc cgattgatat aaaaagttga gaaatggatt acctccata 360
ttgctcacgt tcaaaattaa tgtaaaatac gtcacggaac atacaatcca gcaaagcaca 420
ataagtgtag tattttctagc taaacgtaaa ctagaaaata aactcatgat tccggaactt 480
ttntgggttt ctgggatttt 500

<210> 1166
<211> 74
<212> DNA
<213> Ctenocephalides felis

<400> 1166
caaggtgtat tcgacgtggc ccgatatgct tgtgcagctg agttatatatt caacagcgtt 60
ctgcagcagt gcgt 74

<210> 1167
<211> 194
<212> DNA
<213> Ctenocephalides felis

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<400> 1167
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catcattcgt tgactgtggg tggtcgtctt taacgtcact gttaagcaaa cgcttgggcc 180
cagggtcagt ctgt 194

<210> 1168
<211> 480
<212> DNA
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<223> n = unknown

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<223> n = unknown

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gacattttgt ttgtgtcctt tacataaaat acaattttat acattttaat ttttatacat 120
attttttata tttaattgca cagatcattt gngtatttat tatattaatt gactacttta 180
tgataatttg aatcctaatt agtctattca agattgtttt cctgggttaa gccttactta 240
gcaatctcac ttttgcattc ttgcgcgggn ggngngggta tgcacgcaa ctccgtttta 300
tcaaagtgca agccatttgg acaatcataa tgnntttatt tgccatttgt tgtaaccaaa 360

FC-8-C3.ST25.txt

gaaacattga taatattttt tacaatctct tcgatcggaa aaaacgtttt acttttgcac 420

gcagttctgc acgagaaaga ttttgggcaa accattcgtt gacgcgtctt ncatttcagt 480

<210> 1169
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<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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tgcgggaccta tggctctggg cacaaaatgc tatacagtta catgtcctgc acagcctaag 180
gtgctttcgt 190

<210> 1170
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 tgaccntaaa ttctctctca ggatcccaaa taactaaatc agcatccaag ccttcttttga 120
 tttgtccttt tatgccatcc agnccagtta atttcgcagg tcccgcagat aataaacgag 180
 aacatnatga gcttttaaagn cccttttagaa gcaccggtcc ataataaaga taatccaaat 240
 tgcataaccag caattccacc ccatgctttt aggaaatcag gatgacaacc attgcacagg 300
 cctttcagtg cagcaggcga tggtgaa 327

<210> 1171
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 <212> DNA
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<220>
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 <222> (454)..(454)
 <223> n = unknown

<400> 1171
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 ataaaacatt atgattgtcc aaatggcttg cactttgata aaacggagtt gcgatgcata 180

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cccacgccac ccggcgaaga atgcaaaagt gagattgcta agtaaggctt aaaccaggaa 240
aacaatcttg aatagactaa ttaggattca aattatcata aagtagtcaa ttaatataat 300
aaatacacia atgatctgtg caattaaata taaaaaatat gtataaaaat taaaatgtat 360
aaaattgtat tttatgtaag gagcacaaac aaaatgncat taactatagt aatttctgat 420
tattttaa atataaatat ngaagctttt tggnttttaa aaaaaaaaaa 469
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<210> 1172
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<212> DNA
<213> Ctenocephalides felis
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ggatcatatg caaaatttgc ggggcaataa tattgggttc ctatactatt ttcgtcacia 120
taataatagc tttgacaatc atttatattt ggataaaatc tcgatggtga cggacatttg 180
aaaccttgt 189
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<213> Ctenocephalides felis
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aaatatgtaa actagcttgc atgtttattg taagccagtc tataatctat tattgnttgc 180
actttactta aatttaagt 199
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<212> DNA
<213> Ctenocephalides felis
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<223> n = unknown

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<220>
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<222> (493)..(493)
<223> n = unknown

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tgagagtcac accgtaatca tatcgacatt gatatgattc tccacataaa tcttcagcac      180
gattgatgtc gctacttctg ttgatggaa gaaaatcttt aggttcttta acccagtttg      240
gtataaatga ggaatttgca taataactgg ctgtgcgacc aaattcacga gtgaagagtg      300
ccgctccgag gngntcattt tcacgatccc ncagcatcca gtgacgtgcg aaatctttat      360
gaacagattc aaaactgggtg agantaacag gcacaaaagg tccatcaggg ttgcaaagcg      420
ctgcatatcc aactcaattt tcgagagaca naggtttatt aataatgnca tgggnaanna      480
acttacngnc atnaatcctg                                          500

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<210> 1175
<211> 500
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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<223> n = unknown

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<220>
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<223> n = unknown

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<223> n = unknown

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<220>
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<222> (389)..(389)
 <223> n = unknown

<220>
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 <223> n = unknown

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 <223> n = unknown

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 tgtgatcatt tggattcaag ttatattatt tctatttgng attggctata aaaacaatga 180
 atattgggttc attgntccct gctaagtcac taatattttca ctgtagttat taatttaagt 240
 ttgattgaca tccgttgatt ttttccacaa gaagntaagn ctttcttttt tttattagt 300
 gttaaataat accttttcgc gaagagaagg ggtgattgta tatttcattt gactaagaaa 360
 cctagctggt atgactttca agaaagccna acttaacaat naacttggaa aaattatgaa 420
 gagatttttt aaagcnagcc ctaaagtgat tggagaagng aaatatttaa taatatcttt 480
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 <222> (408)..(408)
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<400> 1176
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 ttccgatcga agagattgga aaaaatatta tcaatggttc ttggttaaca acaaatggca 120
 aataaaacat tatgnttggc cnaatggctt gcactttgga taaacgggag gttgcgatgc 180
 ataccacgc cccccgcgaa gaatgcaaaa gtgagattgn tnagtaggnt taaaccanga 240

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aaacaatctt ggatagnccn attagggatc aaaatatnt aaaggnggtc atttaataata 300
ataaatcccc aatggatctg gggcatttaa atttaaaaat atgtataaaa attaaatgna 360
taaaatgggtt tttatgtagg ggcnaacca aatgggtcatt actatagnat tctgat 416

<210> 1177
<211> 332
<212> DNA
<213> Ctenocephalides felis

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tcacattttc attatatttc taatctaata tccccaaatt tcaactaana agttaaatcc 120
tttgccagtc tgagaagata ggagtaaagt tncatttttc cagccaactc caccattgac 180
aagagtggca tagcctcctt ggccatttac atattgggcc agggcacgta cacaactgat 240
tgtgcgatta tttcttgaac ccactgggtg aaatgacact tntctggtag ctttctgaa 300
aaagcttcca cttttggatt ggacttgctg gt 332

<210> 1178
<211> 128
<212> DNA
<213> Ctenocephalides felis

<400> 1178
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ttcataaata cttttttgtg atatgaacat acttcgcaaa aattaaattt gacagaaaac 120
 atttaagt 128

<210> 1179
 <211> 101
 <212> DNA
 <213> Ctenocephalides felis

<400> 1179
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 ccaggttggt ttctatcctt aatttttttaa aattaattag t 101

<210> 1180
 <211> 389
 <212> DNA
 <213> Ctenocephalides felis

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 catgtagatt tttaagggac aaatagcacc ataacatag tcgcaaatca ttggtttata 180

tgattaacaa	tgntaacttt	gtcatacaaa	ggatcgcttn	tatagatttc	atatcttaaa	240
tattatcaac	gontgcaaat	ataaataagt	gattaaatta	atcaagaagt	tcacatagat	300
tttgtttaac	atgatacaca	tgcaactatt	ttntcaaaca	aaattcatat	ttactattta	360
cagggaaaaa	acttatataa	atatgttgt				389

<210> 1181
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 <212> DNA
 <213> Ctenocephalides felis

<400>	1181	
caaggctgcc	tctacttttg	gaagtaaaat
gaatcatatg	gacatgaata	tcaagtttag
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aaagataaat	acacaaataa	tagattccaa
tagtaagaat	taagtaaaat	atgaagccat
		120
atgtacatat	tatattcaca	ataatctaata
cttccaagtt	gcggaatgct	tgctgtaaat
		180
cctcatgtaa	ttgatcaaaa	tcactcttga
tctttgcctc	accatccttg	actgggtcct
		240
tgaacttcat	tgaggacaac	tgatatagaa
tattgccccat	agcatctcta	atgggtattcc
		300
aggtaatctt	gttttcactt	tgtgcagtag
attcaactgc	gtattttgcc	atatcataga
		360
aagcaataat	gttacgtaac	ataccaactg
ttttatagaa	ggggcagaaa	cgatcatatg
		420
atgagtagct	gtctgctgta	ggaaatcgct
ttcaagagct	tggcacttca	agtgtgatct
		480
tgtcagtttc	cgccaaggag	
		500

<210> 1182
 <211> 290
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (62)..(62)
 <223> n = unknown

<400>	1182	
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gcagaggagc	aagactacag	cgccatgtcg
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gnggtcgtgt	gcggtgtctg	aatcaacaat
tacaatgcaa	ataaataaaa	aaataaaaaa
		120
tgtattaata	aagactaatg	gagctttgca
acaatcatcg	ggaatccaaa	attagattta
		180
tactcactcc	aataagttaa	taagaaatta
tttttattta	cttcttgga	ttgaatatga
		240
atcttgatgt	tgattatgct	acatttatga
tgttttggac	ctgaatacgt	
		290

<210> 1183

<211> 434
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (55)..(55)
 <223> n = unknown

<400> 1183
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 cgaacgtcaa tggacctaca gattttggca tcatacctaa agcgatttca tatccagcat 120
 cccttatgga ttgtctggcc atggaggaat ttctgtaatt gtgagccaat ccaatatgca 180
 tgaaagggtgt atgatgaccc aaagctaaaa gacgtaaacc taatccgtgc aaaatattga 240
 tcataccggc aacaccagca tattttccaa atgctactac tctttggccc ttttcgtcca 300
 tcaacttttc ataatcgata agacgaatat tcttttccat aattgcatca agtaaaggca 360
 tattagattc ttgggctttg ataacatgtg aaaacatgca gtaggtttta ttgggaatta 420
 attgttctac aggt 434

<210> 1184
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 1184
 ctgaaatgtg aagacgacgt caacgaatgg tttgacccaa aatcttttctc gtgcagaact 60
 gcatgcaaaa gtgaaaacgt tttttccgat cgaagagatt gtaaaaaata ttatcaatgt 120
 ttcttggtta acaacaaatg gcaataaaaa cattatgatt gtccaaatgg cttgcacttt 180
 gataaaacgg agttgcatg cataccacg cccccggcga agaatgcaaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt 420
 cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt 480
 acatgttctt ttaataaaaa 500

<210> 1185
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

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<220>
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<222> (467)..(467)
<223> n = unknown

<400> 1185
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acagtatttg aatctttgga cattggctgg caattgttgc gtatcttccc caaggagatg      120
ttgaagagaa taccgcgttc caccctcgcc gagttttacc cacgtgattc tcgtcattaa      180
aaatcttact aaagtttcca tcaataccat attttatttc cctttatatg ttgtcttctc      240
catgtaaaga atattaaatc agtttttggg atgtctggta ctaaccacat ccttaatgta      300
aggaaaacat gaagacatgt tttaatgttt aaagaaattg tagatactta taaaataatg      360
attctattgt taaaatgaaa gtatgttggt gtgaaacagt attctgccgt ctagctacaa      420
gttggtgaaa tattattaaa ttttattatt atatttgggt tttctgnatg gggtttaaact      480
cattccatga taattttc                                         498

<210> 1186
<211> 240
<212> DNA
<213> Ctenocephalides felis

<400> 1186
gggggacaag gttttcaaat gttccgtcac catcgagatt ttatccaaat ataaatgatt      60
gtcaaagctg ttattattgt gacgaaaata gtataggaac ccaatattat tgccccgcaa      120
attttgcata tgatccgtta cgtcataatt ggggacctat ggctctgggc acaaaatgct      180
atacagttac atgtcctgca cagcctaagg tgctttcgta cattggtgat aaatcattgt      240

<210> 1187
<211> 235
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (33)..(33)
<223> n = unknown

<220>
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<223> n = unknown

<400> 1187

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tggntatgac acaataccag caacagttgt gacgggcttt gtgcaatggc ccagctgata      120
actaatgggg gtgggttcttt ggggtctggc aacattncac gagcgggtgc atagaaatcc      180
aaagtatgct gcacggtaga tgatgatacc ttgacagata cttcaaaacc acggt          235
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<210> 1188

<211> 498

<212> DNA

<213> *Ctenocephalides felis*

<220>

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<222> (425)..(425)

<223> n = unknown

<400> 1188

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acagtatttg aatctttgga cattggctgg caattgttgc gtatcttccc caaggagatg      120
ttgaagagaa taccgccttc caccctcgcc gagttttacc cacgtgattc tcgtcattaa      180
aaatcttact aaagtttcca tcaataccat attttatttc cctttatatg ttgtcttctc      240
catgtaaaga atattaaatc agtttttggg atgtctggta ctaaccacat ccttaatgta      300
aggaaaacat gaagacatgt tttaatgttt aaagaaattg tagatcttat aaaataatga      360
ttctattggt aaaatgaaag tatgttgttg tgaaacagta ttctgccgta ctagctacaa      420
gttgntgaaa tattattaaa ttttattatt atatttggtt ttttctgggt gtttaaactc      480
attccatgat aattttca                                498
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<210> 1189

<211> 260

<212> DNA

<213> *Ctenocephalides felis*

<220>

<221> misc_feature

<222> (26)..(26)

<223> n = unknown

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<222> (74)..(74)

<223> n = unknown

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<220>
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<223> n = unknown

<400> 1189
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ttggcatcct cgangtaatg gaaccttttt taatttttgg atagcaagcg gcctttggga      120
ttcatacaaa ctttgggtctt cgtcttttct gcctctttga aacattcggg tcttagttct      180
ggaagttttt gaacgttaca acccgatttc tcgcaacaca ttttttctcg gttagtcgag      240
tcacaacttt ntttaaccgt                                     260

<210> 1190
<211> 420
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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 <223> n = unknown

<400> 1190
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 ctccttacat aaaanacaat tttatacat ttaattttta tacntatattt ttatatttaa 120
 ttgcccana cattnnggta tttattatat taatngactc tttatgataa tttgaatcct 180
 aattagtcta ttcaagattg ttttcttggg ttaagcctta cttagcaatc tcacttttgc 240
 attcttcgcc ggggggngng ggtntgcac gcaactccgt tttatcaaag ngcaagccnt 300
 ttggacaanc ataatgtttt atttgccatt tgttgttaac caaaaaacat tgataatatt 360
 ttttcaatct cttcgatcgg aaaaaacgtt ttcacttttg catgcagttc tgcacgagaa 420

<210> 1191
 <211> 361
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<223> n = unknown

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<222> (135)..(135)

<223> n = unknown

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<222> (173)..(173)

<223> n = unknown

<400> 1191

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tagtaacata taaagaatac attgatttaa caattgataa tcatnttcac ataacacata      120
attataagct atcgnaattt ttagaaaatg agttgacttt aaatataaat acncaaattt      180
tcatattttt aagaacacaa ttatgttcaa gaacttcaca tatcaagata ctacctcagc      240
tttacagcat aattggggat cttctatata ttttttactt tggattaatt ttagctcaat      300
atatttcagt ttggaagtat cacctccagc taagtttgaa tattctagag ttcgttttag      360
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<210> 1192

<211> 210

<212> DNA

<213> Ctenocephalides felis

<400> 1192

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ggtccgcaat tatgacgtaa cggatcatat gcaaaatttg cggggcaata atattggggtt      120
cctatactat tttcgtcaca ataataatag ctttgacaat catttatatt tggataaaat      180
ctcgatggcg acggacattt gaaaccttgt                                     210

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<210> 1193

<211> 367

<212> DNA

<213> Ctenocephalides felis

<220>

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<223> n = unknown

<220>

<221> misc_feature

<222> (349)..(349)

<223> n = unknown

<400> 1193
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 aaaggntgca ttaaatatac aactagcagc agccagagtt tcaactgatg ttggcattaa 120
 agtaggagaa gccctcagga atgtcgtgga acttcgttta aatttgggaa aatgttcttc 180
 agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg 240
 catcgtgtga aattgtaact tgadataatt tttcttaact attagtttta tagatgaaca 300
 aatacataat ctaataaacc agcaagtga ctttaaaaaa aaaaaaana aaaaaaaaaa 360
 aaaaaaa 367

<210> 1194
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1194
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 tgggtggcca gcagtgcagt gttcccttgt acaacatttc agactttgca cgtccagact 120
 gcatcatcat acgcctacgg acagtgtcga atggatatga cacaatacca gcaacagttg 180
 tgacggcttg tgcaatggcc cagctgataa ctaatggggg gttcttgggg tctggcaaca 240
 ttccacgagc ggtgtcatag aatccaaagt atgctgcacg gtagatgatg ataccttgaa 300
 cagatactcc aaaaccacgg tacaatccag ggagaccatc agacttgaag attttgggtca 360
 agcagttgcc caatccagag aattcacgtt gaccagcgcc tttacctaca tcagcggcca 420
 atctggtacg ggcaaaatca agtgggtaga cgaagcacia tgatgtgggt tcagcagcac 480
 caccagatgc caagtttt 498

<210> 1195
 <211> 425
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (16)..(16)
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<220>
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 <222> (28)..(28)
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<222> (62)..(62)
 <223> n = unknown

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 <223> n = unknown

<400> 1195
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 gntgaacctc aatagttcct aaagtttcat agccaaattc acatttggga tcaagtgaat 120
 tagcttcatt aatcaattga actgcagtat caacatcacc tgtccattgc aaccttagta 180
 atccttttatg aacataaaca atagcattat taggctcaat ttcaatggct ttagagaaat 240
 atgaatctgc tttggagtat tgtctttgat cacaaagcac ttgtgcatat aaagnatagc 300
 actctataca gagaggaaat tttttaatgg cattgtaaag gcccaattat ttcttttgcc 360
 ttattcatgt ccttaacagc aaaagcatat cgatggccgt atatatTTTT tggacataag 420
 caata 425

<210> 1196
 <211> 343
 <212> DNA
 <213> Ctenocephalides felis

<400> 1196
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 aaaggttgca ttaaatatac aactagcagc agccagagtt tcaactgatg ttggcattaa 120
 agtaggagaa gccctcagga atgtcgtgga acttcgttta gatttgggaa aatgttcttc 180
 agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg 240
 catcgtgtga aattgtaact tgaaataatt tttcttaact attagtttta tagatgaaca 300
 aatacataat ctaataaacc agcaaaaaaa aaaaaaaaaa aaa 343

<210> 1197
 <211> 207
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (35)..(35)
 <223> n = unknown

<220>
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 <222> (127)..(127)

<223> n = unknown

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<222> (134)..(134)

<223> n = unknown

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<223> n = unknown

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<222> (195)..(195)

<223> n = unknown

<400> 1197

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tggtaaaata aaattcagac atgtcatgga agaaaatgga aaaaaagttg aatttagtgg 120

acaactnaga cgtnatgatg aacattccgg taatggatat ntgagaatna gttatgaaga 180

tacaaatcga gaatnagatt atatagt 207

<210> 1198

<211> 92

<212> DNA

<213> Ctenocephalides felis

<400> 1198

caaacgaatt acaacaagtg gaaaccactg taataacaaa cgaaaagtgc tacgaattgt 60

ctcaattcgt tgaaccaact tcgcaaatat gt 92

<210> 1199

<211> 232

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (65)..(65)

<223> n = unknown

<220>

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<222> (104)..(104)

<223> n = unknown

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<220>
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<222> (130)..(130)
<223> n = unknown

<400> 1199
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aagtnttgga attaaccccc gatgaacgcc ctagcctgtt cttnttccgc ttatcaacaa      120
atttcaaatn ccccgaagac accgacaaag ccaaaacaga gctcaccaaa gccatcaaaa      180
ccttgagcga ggcttttgat aaaacctacg aaggcaaagt gctgttcacc gt              232

<210> 1200
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (66)..(66)
<223> n = unknown

<220>
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<222> (383)..(383)
<223> n = unknown

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<222> (430)..(430)
<223> n = unknown

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<223> n = unknown

<400> 1200
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taaagaagta tttgcatcat tggatgagcc cgcaccagga gtagtaccta ctctgaacc      180
tacacctgta ccgaaacccg agcaaaaatg taaaaaagta aaatttagtt gcgtgaattc      240
gtgcagttca cccgaaatgc agtattgtcc ggaaatagga gcagatccgg ttaaggaatc      300
ctgtagccca gatcaagtgt gcgctgatca aagtggatat ctacagtgca ccactaaaga      360
aagtcagtct gcaaagtcaa ggnttcaa atgtccgcacca tcgagatttt attcaaatat      420
aatgattgn caaagctatt attattgtga cgaaaatagt ataggacca atattattgn      480
cccccaaatt ttgcatatga                                              500

```

<210> 1201
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1201
 tatcagtatc acccttacgt gaatactccg aaaaaatcat tgaagcacga agaacagaag 60
 caccttactt actaccaccg cttttaagcc actacgatag ttcccaaaca agacctttat 120
 ccagcttgca gcatctcatg atcgatcaaa acactttaat cgaaggcttg aaattgggtg 180
 gtgtcgatgg atcttcatta aaacaactag ctcactttgc acattgcccg ataactatga 240
 acatgggtca cagacatagt tgggtcgagg ctggcacttc tttaggaagt gctacggatt 300
 tgagctcttt aaacaacgat gtggatagcg caacaagttc accaggatta tccaggaaaa 360
 ttaacaccga agaattattt tttgatgtca tgaaacgagc agtaaataaa caaactgagt 420
 ctgaacaatt actgcaagag gaacaatata aacgacttgc caaagcgttt agaaatgaac 480
 catttgatga attgtgcc 498

<210> 1202
 <211> 305
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (89)..(89)
 <223> n = unknown

<400> 1202
 cgttacttcc aaccattttt gcaataattt taactatgtc ttattatata cctttgtgca 60
 tatagggttt aaactgacta acaagtatna ctttttttta taaatatcca agtatcatal 120
 gacacacggt tataacgatt tcataaatta aatatcactg tttgtttttg tacaaggca 180
 ctttttgtct tcaagcacac acgaggcttt aaactaccaa tgtaatatat gactagaata 240
 attttaattg tttcagcgtc cactgaaggc ttttaagcaac ttcgtgcca acagactctc 300
 tgtcg 305

<210> 1203
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1203
 tgaaatgtga agacgacgtc aacgaatggg ttgacccaaa atctttctcg tgcagaactg 60

FC-8-C3.ST25.txt

```
catgcaaaag tgaaaacggt ttttccgata gaagagattg taaaaaatat tatcaatggt 120
tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
ataaaacgga gttgcgatgc ataccacgc caccggcgga agaatgcaa agtgagattg 240
ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt 420
cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaata 480
aaaaaaaaa aaaaaaaaaa 498
```

```
<210> 1204
<211> 498
<212> DNA
<213> Ctenocephalides felis
```

```
<400> 1204
gggtatctgg cgatcatatgt ggttccaag tatacaatgt atgggcctaa tactcctaata 60
gcatttgaaa ctatagttcc aatggaaatt cctgtctgcc tcaaacaggt tggatatggt 120
tccattgctt gcagattcac aacataaaac gtgatgctta tgcaaaattt cattaccacg 180
gctaacagtg ataccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa 240
gatgctgcca gagcaattcc aaaagaagct acagagggtcc aacgtcttcc tattctgtcg 300
ctggagaaac gtcctagtag atatgctggt aattctactg ccgattgata taaaagttg 360
agaaatggat tacctcccat attgctcagc ttcaaaatta atgtaaaata cgtcacggaa 420
catacaatcc agcaaagcac aataagtgtg gtatttctag ctaaacgtaa actagaaaat 480
aaactcatga ttccgtaa 498
```

```
<210> 1205
<211> 269
<212> DNA
<213> Ctenocephalides felis
```

```
<220>
<221> misc_feature
<222> (30)..(30)
<223> n = unknown
```

```
<220>
<221> misc_feature
<222> (59)..(59)
<223> n = unknown
```

FC-8-C3.ST25.txt

<400> 1205
 agatctacta atgccgcgtt taccactgtn acagcaattc cgcaaaccag caaccacana 60
 tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaattccc 120
 catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180
 attatgggaa atccaatcgc atatccagct tccaacatta aagaatgcat aaatgcctgt 240
 tttccattg tgtctttaca ctcggtcgt 269

<210> 1206
 <211> 452
 <212> DNA
 <213> Ctenocephalides felis

<400> 1206
 tttcttttaa attcgtccat gagatgatct actagacgat tgtcaaaatc ttcaccgcct 60
 agatgagtat caccggcagt tgctctgact tcaaataagag atccttcac aattgttaaa 120
 acagatacat caaatgtgcc tccaccgagg tcaaataatta acacattcct ttctccttgt 180
 aggtgtttat ctaagccata tgccaaagca gcagctgttg gttcgtttat aacccttaaa 240
 acattcaaac ctgcaatgac accagcatct tttgtagctt gccgttgaga gtcattgaaa 300
 taagcaggaa cagtaataac tgcattcttc actttctctc caagatagtt ttcagctgtt 360
 tctttcatct taactagcac cattgcacta atttctcttg gtgaaaagcg tttcagttgg 420
 ttcttgatt caacttcaat tttaggtgtt gt 452

<210> 1207
 <211> 313
 <212> DNA
 <213> Ctenocephalides felis

<400> 1207
 aattcttggc tataagttcg tcgcatgttt tgcaagtgat ttgtttattg catttattcc 60
 cgtggcatat ttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc 120
 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
 aaactttggc ctctgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt 240
 tttgaacggt acaaccgat ttctcgcaac acattttttc tcggttagtc gagtcacaac 300
 tttctttaac cgt 313

<210> 1208
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

```

<220>
<221> misc_feature
<222> (302)..(302)
<223> n = unknown

<400> 1208
aataaatcat ggtctgaaga gacaaataag attgaaagtc aaataatacc ttgtcagcat      60
ggttatgaat atgacaagaa catgggtatTT atcaacggct cccgtcagat caagactggg      120
tttgtgatag agaactctat gtaactaata catttgctat tggacgtgca ggcgaagtca      180
taggcacatt tattttttgga caattaggag ataggattgg aagaagacca gtattttact      240
taagtctcat cacaatcgca ccggaagact aattacagca tttacttcag ttggttttatt      300
gnttttataa cagcgggcttt tcttggttca ctaacatcta catctgTTTT tcaaagccct      360
ttgataattg cgatggaaat atccagaagt gaagatagag cacacattgg catgatgcag      420
tccatcgggt ggccagtgga atgattctta tgcccgtact gatgtggggc acccagaatg      480
ggttattttg ctttggtgta                                         498

```

```

<210> 1209
<211> 500
<212> DNA
<213> Ctenocephalides felis

```

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<220>
<221> misc_feature
<222> (466)..(466)
<223> n = unknown

<220>
<221> misc_feature
<222> (494)..(494)
<223> n = unknown

<400> 1209
aatttttagt tattaattaa taacgaagtc atcattaatg aaataattaa tgaacgactt      60
taggataaatt atttatatac atttttataa gaaaagactc attattttat aagtatttaa      120
atttcaaaat caagtttttg ggatggagca gaagaataaa tatattttatt atatcgcccg      180
actgttatac gatgagattt tcttatgaaa gtggttccct ggtcgtgtta ggcaaaaata      240
gacacatcag accacctcca gccaatagta gtgctacaat aaatgtcggg gctggacaat      300
acatgtctaa taaagttgca attaccacat tgccaattat gctccaagt cgagcagcta      360
ccatagatat tgcacaccag tagccctcaa atttggttga aacacctcgg tgataagaca      420
gtccaacgct gcatttccac aagatataac agagctgaag actgengaca cgattaaatt      480

```

gtgacgttta ttgnaaaca

500

<210> 1210
 <211> 285
 <212> DNA
 <213> Ctenocephalides felis

<400> 1210
 tgctgctttc tgctagtgag gtatttgctg tttctaattg agtatttggt gaagtatttt 60
 ggcttaaggg ttgtgattcg gtgaggtttc cattgctttc attcacgttt gaacttggag 120
 cagttgtgga tgggcttatt tcatcattcg ttgactgtgg ttggctgtct ttaacgtcac 180
 tgtctgggaa agcaatagta aaagtatgat tatgagttaa tatttatttg ctcgactatt 240
 attattatct tactaagcaa acgcttgggc ccagggtcag tctgt 285

<210> 1211
 <211> 313
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (51)..(51)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (66)..(66)
 <223> n = unknown

<400> 1211
 aattcttggc tataagttcg ttgcatgttt tgcaagtgat ttgtttattg natttattcc 60
 cgtggnatat ttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc 120
 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
 aaactttggc ctctgtcttt cctgcattct tgaacattc gtttcttagt tctggaagtt 240
 tttgaacgtt acaaccgat ttctcgcaac acattttttc tcggttagtc gagtcacaac 300
 tttctttaac cgt 313

<210> 1212
 <211> 303
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (302)..(302)

<223> n = unknown

<400> 1212

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atttctattg actgggataa agtaactaaa aaggctgata aggtgacaga taaaattgaa      60
gaggctgtta ctggagaaac tcccaaatta atggataaaa ttgagagatt tgttgatagg      120
aaaattgaca aagcagagga attgctaaag aaaaatcaaa gaaaagccaa aaaatggtat      180
cacggtctta caggatgaaga agaatttaaa ttgcaagaaa tacatatattt tataggagca      240
tttgcagctg gtgctgcttt gggatttgca gctgcttagg aaaagcacac attttgatgt      300
ant                                                                    303

```

<210> 1213

<211> 305

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (300)..(300)

<223> n = unknown

<400> 1213

```

cgttacttcc aaccattttt gcaataattt taactatgtc ttattatatc cttttgtgca      60
tatagggttt aaactgacta acaagtatca ctttttttta taaatatcca agtatcatac      120
gacacacggt tataacgatt tcataaatta aatatcactg tttgtttttg tacaaaaggca      180
ctttttgtct tcaagcacac acgaggcttt aaactaccaa tgtaatatatt gactagaata      240
attttaattg tttcagcgtc cactgaagge tttaagcaac ttcgtgccaa acagactctn      300
tgtcg                                                                    305

```

<210> 1214

<211> 320

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (9)..(9)

<223> n = unknown

<220>

<221> misc_feature

<222> (19)..(20)

<223> n = unknown

<220>

<221> misc_feature

<222> (40)..(40)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (42)..(42)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (44)..(44)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (82)..(82)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (257)..(257)
 <223> n = unknown

<400> 1214
 tttttttnt tttttgagnn atttataaat aacttttaggn gngncgccac taggggactt 60
 cccctacat ttagaagtcc gnattatttc ttacttttaa ttttattttc ttcattttta 120
 tattaactct atatctttat ctatctatct attagttcaa ccaataaaat taagcgtgaa 180
 atgaataatt ttgattagaa caaatatatt catggattta aaaaaatcta aattgtaaaa 240
 ttcttaaatz ccttatnata tttgcgagcc tgtgttcaac cataatattt ttttatataa 300
 cacataaagt aaaacaaagt 320

<210> 1215
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (401)..(401)
 <223> n = unknown

<400> 1215
 tgaaatgtga agacgacgtc aacgaatggt ttgacccaaa atctttctcg tgcagaactg 60
 catgcaaaag tgaaaacggt ttttccgatc gaagagattg taaaaaatat tatcaatggt 120
 tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccgcgca agaatzcaaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300

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ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaaatg tataaaattg tattttatgt naggagcaca aacaaaatgt 420
 cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt 480
 catgtatctt tttataaa 498

<210> 1216
 <211> 288
 <212> DNA
 <213> Ctenocephalides felis

<400> 1216
 ctgcttgata tcagggttaa tgagggaatg gaatctgcaa ttctggttgc aaggctaattg 60
 ctattaccac tgagctacta aacaaactta accataattt taaattatat tatttggggc 120
 tgagtatata tatattttaa cttttgtgtt ttctatattt cgtttcacca tccaaacagt 180
 gttttctcaa ctttttacia tctttatctt ttatctatac atatttgggtg atgcttttat 240
 gtcttgaatt cagttttacc tcagatcaaa ttcagtttgc ttgatagt 288

<210> 1217
 <211> 287
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (54)..(54)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (62)..(63)
 <223> n = unknown

<400> 1217
 tgcttgatat cagggtttaat gagggnatgg aatntgcaat tctggttgca aggntaatgc 60
 tnntaccact gagctactaa acaaacttaa ccataatttt aaattatatt atttggggct 120
 gagtatatat atattttaac ttttgtgttt tctatatttc gtttcacat ccaaacagtg 180

FC-8-C3.ST25.txt

tttctcaaac tttttacaat ctttatcttt tatctataca tatttggtga tgcttttatg 240
tcttgaattc agttttacct cagatcaaat tcagtttgct tgatagt 287

<210> 1218
<211> 466
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (26)..(26)
<223> n = unknown

<220>
<221> misc_feature
<222> (49)..(49)
<223> n = unknown

<220>
<221> misc_feature
<222> (52)..(52)
<223> n = unknown

<220>
<221> misc_feature
<222> (134)..(134)
<223> n = unknown

<220>
<221> misc_feature
<222> (300)..(300)
<223> n = unknown

<220>
<221> misc_feature
<222> (445)..(445)
<223> n = unknown

<400> 1218
tttttttttt tttttttttt tttttnctga ttagaacaaa tatattcang gntttaaaaa 60
aatctaaatt gtaaaattct taaatgcctt atcatatttg cgagcctgtg ttcaaccata 120
atattttttt tatntaacac ataaagtaaa acaaagtaca tattttgtat agtttctttt 180
gttgaatact tcatcaatat attaataataa tttaggtttc ctctcgcaag ttctgtgtt 240
gcagctttga gtagcttggt taaatactgt tccaatcgga cattgatcag gaactggctn 300
tccttttagga cgtaaacacg tgaagaactt ccggcatggt gcgtcgttct tgaaagcaaa 360
ttttccacgt gtcggcatt gcccgacaca ggtttcgctc cttggggaaa actcggcggg 420
tcttcgcatt gcaatacggg tccnttttcg gccatacata cgacgt 466

<210> 1219
 <211> 310
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (227)..(227)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (230)..(230)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (239)..(239)
 <223> n = unknown

<400> 1219
 gggcgaaatc aagtgggtag acgaagcaca atgatgtggc tccagcagca ccaccagatg 60
 ccaagtttcc tgcgaaggaa cgccagaatt ggggtcttctt gtcaaggtat catcatctac 120
 cgtgcagcat actttggatt ctatgacacc gctcgtggaa tggtgccaga cccaagaac 180
 accccattag ttatcagctg ggccattgcg caagccgtca caactgntgn tggatttgn 240
 tcatatccat tcgacactgt ccgtaggcgt atgatgatgc agtctggacg tgcaaagtct 300
 gaaatgttgt 310

<210> 1220
 <211> 167
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (97)..(97)
 <223> n = unknown

<400> 1220
 ttgtctttga atgcgaagtt caaagcctga gttgggaaat aacgaatgac attggccaag 60
 ttaccacgcc agaaggaaag tacgccctgc tccttangga tacgtacaaa gcaatcgatg 120
 atccttttga acgtttatcc tcagcaatgt gtttggaaat gtgttgt 167

<210> 1221
 <211> 369
 <212> DNA
 <213> Ctenocephalides felis

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<400> 1221
tgataccact gcacaacttc ttaccgaagg atgtttgcaa actttgtcct cgatgtcact      60
tggatttaca tatattcctt tgtatttagc aatctcctta acacgatcgg ttatatagac      120
ataaccgtct tcgtcgtaat aaccgacgtc tccggttttg aaccaaccgg tttgtgcgtc      180
caaaaccgaa tcggttgccct cttggttgcc aaaatagccc aacatgggtg ggccacaaag      240
gtagatctct ccttgtttgt ttgggccaag atttaggcct gtatccatgt ctactatctt      300
cagttctgtg ttgacacaaa caaagccaat agtatttggc ctatattcag gacaatccaa      360
agtaattgt                                     369

```

```

<210> 1222
<211> 371
<212> DNA
<213> Ctenocephalides felis

```

```

<220>
<221> misc_feature
<222> (7)..(7)
<223> n = unknown

```

```

<220>
<221> misc_feature
<222> (20)..(21)
<223> n = unknown

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<220>
<221> misc_feature
<222> (40)..(40)
<223> n = unknown

```

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<220>
<221> misc_feature
<222> (45)..(45)
<223> n = unknown

```

```

<220>
<221> misc_feature
<222> (240)..(240)
<223> n = unknown

```

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<400> 1222
ttttttnttt tttttatatn naattgcaca gatcatttgn gtatntatta tattaattga      60
ctactttatg ataatttgaa tcctaattag tctattcaag attgttttcc tggtttaagc      120
cttacttagc aatctcactt ttgcattcct cgccgggttg cgtgggtatg catcgcaact      180
ccgttttatc aaagtgcgaag ccatttggac aatcataatg ttttatttgc catttggtgn      240
taaccaagaa acattgataa tatttttttac aatctcttcg atcggaaaaa acgttttcac      300
ttttgcatgc agttctgcac gagaaagatt ttgggtcaaa ccattcgttg acgtcgtctt      360

```

cacatttcag t

371

<210> 1223
 <211> 386
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n = unknown

<400> 1223
 cctacacaac tcagggcaat ggcagtatgt atatctttaa tgatgggtcg attaggangt 60
 gttgttgga gcaatgttgt aggaataatt ctagattata attgcgattt aacattttta 120
 atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacattttat 180
 cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atattttcgt 240
 cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcgattacaa agaaaattca 300
 gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt 360
 tattagattc gatgtaagat atatgt 386

<210> 1224
 <211> 428
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (296)..(296)
 <223> n = unknown

<400> 1224
 cgtattcaat ggtatgaatt gcttggtgaa tgaaaatttc actcatgggt tcttcttcgt 60
 gttctccatg agctgctttt ggcggtgcct ttggtgcctc tggcataccg ttttcttggt 120
 tggagacaac gtctgaagtc atttccattc cttgggttaa atcaccattt gatttagcag 180
 aatgaggagc ttcatcttta tttttcttgg ttgccatcaa atataatggt ttgcctaaga 240
 gcatgagcgg aatacagcag agcccaatta acacaaatat tttttgaatt tgctgntgcc 300
 ttcaaacata aattcatcgc attgttctgc tggagatcct tgcttgaata acatcatgtt 360
 aatgaacaga atcaaaactg atggtgcgca gcagggttca aatctgatgt ctgtattatt 420
 tgcagagg 428

<210> 1225
 <211> 407
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (32)..(32)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (38)..(38)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (40)..(40)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (234)..(234)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (300)..(300)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (303)..(303)
 <223> n = unknown

<400> 1225
 ttttgncaact ttttttttatt tcatcaacta cngggaantn ggaacaaata aagaacnatt 60
 attctttaa at taaagggaaa ttttacatca tacattcaac atgaatcaat tctaaaatta 120
 tgtgaataac ccaaatttta aaccattaac acaaataattt tttattccca cttaacttat 180
 tacttattaa aatattactt ggcaagtatt tttatatttt ggattttttt aggnatatta 240
 taaagacgcc tttagttggt gccttatgaa taaaatacat atttataata cattcacatn 300
 ttntatacta aactattgag aagacttaga cgatttaatg gaattaatat gaaggaattt 360

attaaattaa attttataaa tataaaaaat tttagtgtt tttttaa

407

<210> 1226
 <211> 500
 <212> DNA
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<220>
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<220>
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 <222> (424)..(424)
 <223> n = unknown

<400> 1226
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tgattatttta gaaatcttta taaacaatag gacacttaca tttcaaaaaat aggtgttacg 120

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aataaattat gatctcttttc actacatata ttacaatcaa catttattaa ataagtgttg	180
aatttatttta ttgngcaaata aataatatgc tttccatggt tgnaatcaat ttattaattt	240
aattgnataa tttgntgntt tacctacaca ttttagctac tggtaagcta ggcataatgt	300
gaaatgtata tcttaattttt tttgagatca aaagctttca atttaattaa aaatgaaatt	360
tattaataaaa tatgtgcaat tttccaatta ttgtgatgcc tagttatgcc tatgataatg	420
ntgnaatcat aatatttttga ataatcgatt ttatatgatc tctatatgtg cgaatatttt	480
aacaaactat aaatgtttta	500

<210> 1227
 <211> 265
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (60)..(60)
 <223> n = unknown

<220>
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 <222> (233)..(234)
 <223> n = unknown

<400> 1227	
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taaatatata aagattgggt ttatgggtta tatgtctaac atttattttg taacatacag	120
ttaagaacac aatagaaaaa tcatttaatt agttggatat ttttagtata agtattcctg	180
tgtagatagc aagttgtgac tacagaataa atatctgatt ttatcacaag gtnnaaaaaa	240
aaaaaaaaaa aaaaaaaaaa aaaaaa	265

<210> 1228
 <211> 487
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (61)..(61)
 <223> n = unknown

<220>
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 <222> (70)..(70)
 <223> n = unknown

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<220>
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<222> (478)..(478)
<223> n = unknown

<220>
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<222> (484)..(484)
<223> n = unknown

<400> 1228
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cttggttaac aacaaatggc aaataaaaca ttatgattgt ccaaattggct tgcactttga      180
taaaacggag ttgcgatgca taccacgccc acccggcgaa gaatgcaaaa gtgagattgc      240
taagtaaggc ttaaaccagg aaaacaatct tgaatagact aattaggatt caaattatca      300
taaagtagtc aattaatata ataaatacac aaatgatctg tgcaattaaa tataaaaaat      360
atgtataaaa attaaaatgt ataaaattgt attttatgta aggagcacia acaaaatgtc      420
attaactata gtaatttctg attatttaaa atatataaat atagaagctt tttggggnaa      480
aaanaaa                                           487

<210> 1229
<211> 221
<212> DNA
<213> Ctenocephalides felis

<400> 1229
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aataccacct gcggcgaaat ccttggcgaa agccactggg tctgcaagtg cgggcatcat      120
cttgaaaaag ttacttaat ttaacacggg cggaacaat aaattaaata aaactctttt      180
gcaaactcga cccgatatag cagggtctgg agacggtagg c                                           221

<210> 1230
<211> 408
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (11)..(12)
<223> n = unknown

<220>
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<222> (35)..(35)
 <223> n = unknown

<220>
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 <222> (38)..(38)
 <223> n = unknown

<220>
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 <223> n = unknown

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 <222> (144)..(144)
 <223> n = unknown

<220>
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 <222> (168)..(168)
 <223> n = unknown

<400> 1230
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 aattcttaaa tgccttatca tatttgcgag cctgtgttca accataatat tttttttatn 120
 taacacataa agtaaaacaa agtncatatt ttgtatagtt tcttttgntg aataacttcat 180
 caatatatta atataattta gggttcctct cgcaagttcc tgtgttgag ctttgagtag 240
 cttgggttaa tactgttcca atcggacatt gatcaggaac tggctctcct ttaggacgta 300
 aacacgtgaa gaacttcggc atgttgcgtc gttcttgaaa gcaaattttc cacgtgctcg 360
 gcattgcccg acacagggtt cgctccttgg ggaaaactcg gcggggttc 408

<210> 1231
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (59)..(59)
 <223> n = unknown

<400> 1231
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 cattttaatt tttatacata ttttttatat ttaattgcac agatcatttg tgtatttatt 180
 atattaattg actactttat gataatttga atcctaatta gtctattcaa gattgttttc 240

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ctgggtttaag ccttacttag caatctcact ttgcattct tcgccgggtg gcgtgggtat	300
gcacgcgaac tccgttttat caaagtgcaa gccatttgga caatcataat gttttatttg	360
ccatttggtg ttaaccaaga aacattgata atatttttta caatctcttc gatcggaaaa	420
aacgttttca cttttgcatg cagttctgca cgagaaagat tttgggtcaa accattcggt	480
gacgcgcttc acattttaag	500

<210> 1232
 <211> 211
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (27)..(27)
 <223> n = unknown

<220>
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 <222> (56)..(58)
 <223> n = unknown

<220>
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 <222> (64)..(64)
 <223> n = unknown

<220>
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 <222> (187)..(187)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (196)..(196)
 <223> n = unknown

<220>
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 <222> (208)..(208)
 <223> n = unknown

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tatgatccgt tacgtcataa ttgcggacct atggctctgg gcacaaaatg ctatacagtt	180
acatgtnctg cacagnctaa ggtgcttncg t	211

<210> 1233
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<212> DNA
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<220>
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 <222> (10)..(11)
 <223> n = unknown

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 <223> n = unknown

<220>
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 <223> n = unknown

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 <222> (37)..(37)
 <223> n = unknown

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 aacacataaa gtaaaacaaa gtncatatatt tgtatagttt cttttgttga atacttcac 180
 aatatattaa tataatattag gtttcctctc gcaagttcct gtgttgcagc tttgagtagc 240
 ttggttaaatt actgttccaa tcggacattg atcaggaact ggctctcctt taggacgtaa 300
 acacgtgaag aacttcgggc atgttgcgtc gttcttgaaa gcaaattttc cacgtgctcg 360
 gcattgcccg acacagggtt cgctccttgg ggaaaactcg gcgggttctt cgcattgcaa 420
 tacgggtctn tttcggccat acatacgacg t 451

<210> 1234
 <211> 500

<212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (450)..(450)
 <223> n = unknown

<400> 1234
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 aaataaagaa gtatttgcac cattggatga gcccgcacca ggagtagtac ctactcctga 180
 acctacacct gtaccgaaac ccgagcaaaa atgtaaaaaa gtaaaattta gttgcgtgaa 240
 ttogtgcagt tcacccgaaa tgcagtattg tccggaaata ggagcagatc cggttaagga 300
 atcctgtagc ccagatcaag tgtgcgctga tcaaagtgga tatctacagt gcaccactaa 360
 agaaagtcag tctgcaaagt caaggtttca aatgtccgtt ccatcgagat tttatccaaa 420
 tataaatgat tgcaaagcta ttattattgn ggcgaaaata gtataggaac cccatattat 480
 tgccccaaat ttgcatatga 500

<210> 1235
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (65)..(65)
 <223> n = unknown

<400> 1235
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 caacngttga ctctataagt ttaggggcc agtgtgtcat tagcgaagga ccgcaaagaa 120
 cctcttcaaa tttaaaatgc atcagattct tggctagata aacaacataa cttcttggtt 180
 gttctttatc tctgaactta aagttcatat cgtaattgc ctttgattca tcaaatatcc 240
 atttttgtgg tgtttctttt ttcagcaaat taatatactg aaaaactagt ctgactatat 300
 catcaacatg gtttaogccc tcttctgtta aatctgcac tagtttgaag aaaccaaadc 360
 ccctcctctg aacagcaccg caagataagc ttgaactcca accacgtgct ttcaaacatg 420

ataagagact gccgggtccc tcatgcccaa aaagatgacc taaataattt cctgggtgcag 480
atttttctaaa aggctcaa 498

<210> 1236
<211> 230
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (3)..(3)
<223> n = unknown

<220>
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<222> (7)..(7)
<223> n = unknown

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<222> (17)..(17)
<223> n = unknown

<220>
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<222> (22)..(22)
<223> n = unknown

<220>
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<222> (35)..(35)
<223> n = unknown

<220>
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<223> n = unknown

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<222> (83)..(83)
<223> n = unknown

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<222> (141)..(141)
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<220>
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 <223> n = unknown

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 tgcgggggcaa taatattggg ntcctatact attttcgcac aataataata gctttgacaa 180
 tcattttatat ttggataaaa tctcgatggn gacggacatt tgaaaccttg 230

<210> 1237
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (254)..(254)
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 ataaattatg atctctthtca ctacatatat tacaatcaac atthtattaaa taagtgttga 180
 atthtatttat tgtgcaaata ataatatgct ttccatgtth gtaatcaatt tattaattta 240
 atthgtataat thgntgtthtt acctacacat thtagctact ggtaagctag gcataatgtg 300
 aaatgtatat cttaatthttt ttgagatcaa aagctthtcaa thtaattaaa aatgaaatth 360
 attaataaat atgtgcaatt thccaattat tgtgatgcct agttatgcct atgataatgg 420
 tgtaatcata atatthttgaa taatcgatth tatatgatct ctatatgtgc gaatattthta 480
 acaaactata aatgtthtt 498

<210> 1238
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (67)..(67)
 <223> n = unknown

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<220>
<221> misc_feature
<222> (445)..(445)
<223> n = unknown

<400> 1238
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gcataatngta gaataagatt taatatgtaa tattacatgg aacttaattt ttaattgtat      120
atcaatcttt agtataagca agactacgag gacgtatttt aatgtatatt aaaaatgatg      180
tgtataatca ttatttctat ttaattcaaa agagtatata ttgaaatatc tatattaaac      240
aaatattata aaaataatca tatataaatt ataacagcat tctattttat tccaatggca      300
tgagcattca ggacgtaaag tgattaacag gtttcgatca aaatagaatt ctatagtttt      360
tgttctaaaa gaaacgaaat tttaaaaaaa ttatgttatt cggagggttt tattacagct      420
attaaatttt ttttaacttta gccgntatgt aatttagaaa tataagaata ttttaaatat      480
tcataaatta tatcaaat                                         498

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<210> 1239
<211> 331
<212> DNA
<213> Ctenocephalides felis

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<400> 1239
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gcgtaagaat cattccactg gtccaccga tggactgcat catggcaatg tgtgtcttat      120
cttcacttct ggatatttcc atcgcaatta tcaaagggct ttgaaaaaca gatgtagatg      180
ttagcgaacc aagaaaagcc gctgttataa aaacaataaa ccaactggaa gtaaatgctg      240
taattagtct tccggtgacg attgtgatga gacttaagta aaatactggt cttcttccaa      300
tcctgtctcc taattgacca aagataaatg t                                         331

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<210> 1240
<211> 384
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (90)..(90)
<223> n = unknown

<400> 1240
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agatgtgtgc caaatTTaaa atactattgn atatttaatt ttttttctat attcacattt 120
 tcattatatt tctaattctaa tatccccaaa tttcaactaa gaagttaaatt cctttgccag 180
 tctgagaaga taggagtaaa gttacatttt tccagccaac tccaccattg acaagagtgg 240
 catagcctcc ttggccattt acatattggt ccagggcacg aacacagcta attgtgcgat 300
 tattttctga tcccactggg ggaaatgaca cctctctagt agctttcctg aaaaagtTtc 360
 cactcttgga ttggacttga cggt 384

<210> 1241
 <211> 118
 <212> DNA
 <213> Ctenocephalides felis

<400> 1241
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 caacaacgcg cctccaatga agatattccg tagccgaaga gttcttctcg gtgatggg 118

<210> 1242
 <211> 425
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (58)..(58)
 <223> n = unknown

<220>
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 <222> (352)..(352)
 <223> n = unknown

<400> 1242
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 cagtaactgc catcattcta taccagctc tactgtaatc cggctcttaa ttccaagata 180
 atgcattaaa atgtggaaat tgccacgtat ataaaagacc tcctaagata aatgctcctg 240
 cacttaaatt accggaacaa gcagcccaac ccattagggg tgggattgct ccgacgattg 300
 atccaacca agtattcaga atacttatTC ttttcattgg agtatatacg gnggtatata 360
 atattaaatt agctgctcct aatcctgctg ttaaaccatt tacaccaaaa tataacatac 420
 ctatc 425

<210> 1243

<211> 328
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (40)..(40)
 <223> n = unknown

<220>
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 <222> (65)..(65)
 <223> n = unknown

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 ctaatcaaaa ttattcattt tacgcttaat tttattgggt gaactaatag atagatagat 180
 aaagatatag agttaatatata aaaatgaaga aaataaaatt aaaagtaaga aataatacgg 240
 acttctaaat gtagggggaa gtcccctagt ggcggacacc taaagttatt tataaataaa 300
 tcaaaaaaaaa aaaaaaaaaa aaaaaaaaa 328

<210> 1244
 <211> 468
 <212> DNA
 <213> Ctenocephalides felis

<400> 1244
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 acaaatttgc caaatatttc attcaaatta aacaaaccat tcaaaagtta caagaatttt 180
 aaagttagta aacattgcga caaccgtagt gtcgacatca atttaaaatt attaattttt 240
 cagtataccg agttgctcta tggacttagg atggttagaaa aagttataga ctatttaatt 300
 ttgaacaaat ttgccaaata tttcatttaa attaaacaag cagtttataaa gttacaagaa 360
 tttgaaagtt agtaaacatt gcgacaacgt agggtcgaca tcaattataaa attattaaat 420
 tatgagtatc cgagttgatg taaggacttt tggtaaaaga caaagttg 468

<210> 1245
 <211> 472
 <212> DNA
 <213> Ctenocephalides felis

<400> 1245
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FC-8-C3.ST25.txt

attaacattt tttacctatg agtatgtaca tatactttac atcgaatcta ataacaataa 120
agagttatta attttcatgt cgatgtttta gaaaatgatt cagtagcaac ttctgaagtt 180
tctttgtaat tgataatact ttctcaaagt ataattgcat ttcacaacac acgacggaaa 240
tatgggttatg gtccatatga agcaatgctc gttcttctat ccacttgctt ctgataaatg 300
ttcgggtataa agaatgcaat cactccacat gctatcagag atgttcctga tattaataat 360
gttaaatacgc aattataatc tagaattatt cctacaacat tgcttccaac aacacttcct 420
aatcgaccca tcattaaaga tatacatact gccattgcct gggtgtgagg gt 472

<210> 1246
<211> 131
<212> DNA
<213> Ctenocephalides felis

<400> 1246
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tgctgcaaaa tacgaacgct gctggaattt gtttcaactg gaattagttc ttgagactcc 120
aaagacaatg t 131

<210> 1247
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (179)..(179)
<223> n = unknown

<220>
<221> misc_feature
<222> (182)..(182)
<223> n = unknown

<220>
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<222> (251)..(251)
<223> n = unknown

<220>
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<222> (492)..(492)
<223> n = unknown

<400> 1247
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caacaattga ctctataagt ttaggggtccc agtgtgtcat tagcgaagga ccgcaaagaa 120

FC-8-C3.ST25.txt

cctcttcaaa tttaaaatgc atcagattct tggctagata aacaacataa cttcttggnt	180
gntctttatc tctgaactta aagttcatat cgttaattgc ctttgattca tcaaatatcc	240
atTTTTgtgg ngtttccttt ttcagcaa ataatatactg aaaaactagt ctgactatat	300
catcaacatg gtttacgccc tcttctgtta aatctgcac tagtttgaag aaaccaaatc	360
ccctcctctg aacagcaccg caagataagc ttgaactcca accacgtgct ttcaaacatg	420
ataagagact gccgggtccc tcatgcccc aaagatgacc taaataattt cctgggcaga	480
ttttctaaaa gntcaagg	498

<210> 1248
 <211> 292
 <212> DNA
 <213> Ctenocephalides felis

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cttatactta tcagtgcctt ctaaaataac atacataatt taaatcaaaa ttaaatacga	120
gtaacaaaag tagtaaacaa atagaattag ttctaattctt cttacaccta aaaactattt	180
tagataaatt gagtagatcg ccattttctt ttaatttaat aaattctttt ttatgatgta	240
ttaaataattc atatatcggt tattttaaatg tttccggtat cttataattt gt	292

<210> 1249
 <211> 310
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (59)..(59)
 <223> n = unknown

<400> 1249 aacatttcag actttgcacg tccagactgc atcatcatat gcctacggac agtgtcgant	60
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aatgggggtg tcttggggtc tggcaacatt ccacgagcgg tgtcatagaa tccaaagtat	180
gctgcacggg agatgatgat accttgacaa gaagacccaa ttctggcggt acttcgcagg	240
aaacttggca tctggtggtg ctgctggagc cacatcattg tgcttcgtct acccacttga	300
tttcgcccgt	310

<210> 1250

<211> 428
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (413)..(413)
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 gtaaatggcc aaggaggcta tgccactctt gtcaatgggtg gagctggctg gaaaaatgta 180
 actttactcc tatcttctca gactggcaaa ggatttaact tcttagttga aatttgggga 240
 tattagatta gaaatataat gaaaatgtga atatagaaaa aaaattaaat atacaatagt 300
 attttaaatt tggcacacat ctatctatgc atccataaat aaagggtata tacagcattc 360
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggaaagga aaaaaaaaaa aanaaaaaaaaa 420
 aaaaaaaaaa 428

<210> 1251
 <211> 173
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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 cgacacactt tttggggggg gagggggatt cacaaaatcg aacattatta tgt 173

<210> 1252
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1252
 aagttttcgc agtttacaaa tccagaagag ataccagagc aacttcaaca tcagatcagt 60

gagtgcagtt cacaattaag aatgtctagt tcagagctaa caaagctgct atcgtcatta	120
tcaagcatat tgagcgatca atcatatata caacagcttc tcgatatcaa cgataccatc	180
actgagatgt cagaagttga aaattgaaag tcatcaacaa atgccatgtc atcaaagaat	240
ggcacgtcat aaataatttt attaaattct ttttaaaatt tatgtattat taaattgtaa	300
tgtctaatagc ttcataattag tattaagttt tcaaattttt atgttttttt ttgtattgta	360
ttaatagttt acttattttt cttattttga tatacctggg aatttgtaac ttataaagaa	420
gcttaagctc gtataaaact atctttatat ttatcaatgc ttatgtattt taaaacaaaa	480
ataaaatgct ttgaaagg	498

<210> 1253
 <211> 150
 <212> DNA
 <213> Ctenocephalides felis

<400> 1253	
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cgatgggtttc agactttttt ctttcataaa tacttttttg tgatatgaac atacttcgca	120
aaaattaaat ttgacaaaaa aaattttaagt	150

<210> 1254
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (63)..(63)
 <223> n = unknown

<220>
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 <222> (245)..(245)
 <223> n = unknown

<220>
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 <222> (254)..(254)
 <223> n = unknown

<220>
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 <222> (257)..(257)
 <223> n = unknown

<220>
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<222> (420)..(420)
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<220>
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 <222> (423)..(423)
 <223> n = unknown

<400> 1254
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 ataaattatg atctctttca ctacatatat tacaatcaac atttattaaa taagtgttga 180
 atttatttat tgtgcaaata ataatatgct ttccatgttt gtaatcaatt tattaattta 240
 attgnataat ttgntgnttt acctacacat tttagctact ggtaagctag gcataatgtg 300
 aaatgtatat cttaatTTTT ttgagatcaa aagctttcaa ttttaattaaa aatgaaattt 360
 attaataaat atgtgcaatt ttccaattat tgtgatgcct agttatgcct atgataatgn 420
 tгнаатсата atattttgaa таатсgattt tatatgatct ctatatgtgc gaatatttta 480
 acaaactata aatgtttt 498

<210> 1255
 <211> 307
 <212> DNA
 <213> Ctenocephalides felis

<400> 1255
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 atactctaga tttatatgcc aatgtttgttc atgttaaaag tttgccagga gttcgctcta 120
 ggcataagaa tattgactgt gtaatcatte gtgaacaaac tgagggagag tatagtgttt 180
 tggagcacga aagcgttaca ggagttgtag aatgtttaaa aattataaca gctaagaaat 240
 ctgaaaggat tgccaaattc gcttttgact atgcaacaaa gcacaatcga aagaagggtga 300
 ctgctgt 307

<210> 1256
 <211> 427
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (295)..(295)
 <223> n = unknown

<400> 1256

FC-8-C3.ST25.txt

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ttctccatga gctgcttttg gcggtgcctt tgggtgcctct ggcataccgt tttcttggtt	120
ggagacaacg tctgaagtca tttccattcc ttggttcaaa tcaccatttg atttagcaga	180
atgaggagct tcacttttat ttttcttggt tgccatcaaa tataatgggtt tgcccaagag	240
catgagcgga atacagcaga gcccaattaa cacaaatatt ttttgaattt gctgntgtcc	300
ttcaaacata aattcatcgc aatgttctgc tggagatcct tgcttgaata acatcatggt	360
aatgaacaga atcaaaactg atggtgcgca gcagggttca aatctgatgt ctgtttat	420
gcagagt	427

<210> 1257
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (329)..(329)
 <223> n = unknown

<220>
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 <222> (405)..(405)
 <223> n = unknown

<220>
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 <222> (466)..(466)
 <223> n = unknown

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caagcttaaaa ctttgcgtat tatgtaaaat taaaatatac aaaaaatata ctttgagtaa	120
atatgttggtc aatgatatat cattgatata gaaggctttt tatcagcttt ttataaattt	180
cgataacaca gatattgata aataaattac atgtgacctg gcaatgcttg aggtccctgc	240
ataaatatat ttgaccccat tcgctgctga tattgcacac tttgttgga ttcacgtta	300
ggattagaat ggcttgatgt aggtatggnt cccatgccat ttgtaatatg caatccattt	360
aaatgttgag acatttgatg tattaacata ggattagggc ctggntgtgg tgcctattgg	420
ttgaggatta ttcgctaggg acatttgaga actggtctga atcaantgca tttggggctg	480
actttgattt actattgc	498

<210> 1258

<211> 345
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (16)..(16)
 <223> n = unknown

<220>
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 <222> (75)..(75)
 <223> n = unknown

<400> 1258
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 ggaaatgcaa aaaanggctg atgagctaata attattggca cctcttaaat cagtcgtaac 120
 cattgaaaca cttcgcaaaa tgtcaaaaaa aggattgact tatgagatac ttaaaaaagc 180
 ttacgaagga aaggggagaag agggccttga acaaattttg aaaactaaag taacaaaaggc 240
 aaagcttact ataaacaatg ttgtggtggt ttttcaaaaa catgcaaagc atgttttaatg 300
 acccttattt atcagaaata tattataaat atttaacatt ttagt 345

<210> 1259
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (73)..(73)
 <223> n = unknown

<400> 1259
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 tgcattgcaa agngaaaacg ttttttccga tcgaagagat tgtaaaaaat attatcaatg 120
 tttcttggtt aacaacaaat ggcaataaaa acattatgat tgtccaaatg gcttgcaactt 180
 tgataaaacg gagttgcatg gcataccccc gccacccggc gaagaatgca aaagtgcgat 240
 tgctaagtaa ggcttaaaacc agggaaaaca tcttgaatag actaattagg attcaaatta 300
 tcataaagta gtcaattaat ataataaatc acaaatgatc tgtgcaatta aatataaaaa 360
 atatgtataa aaattaaaat gtataaaatt gtattttatg taaggagcac aaacaaaatg 420
 tcattaacta tagtaatttc tgattattta aaatatataa atatagaagc tttatgaaat 480
 tacatgttct ttttaata 498

<210> 1260
 <211> 422
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (42)..(42)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (70)..(70)
 <223> n = unknown

<400> 1260
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 ggacaacagc aaattcaaaa aatattttgtg ttaattgggc tctgctgtat tccgctcatg 180
 ctcttgggca aaccattata tttgatggca accaagaaaa ataaagatga agtcctcat 240
 tctgctaaat caaatggtga tttgaaccaa ggaatggaaa tgacttcaga cgttgtctcc 300
 agccaagaaa acggtatgcc agaggcacca aaggcaccgc caaaagcagc tcatggagaa 360
 cacgaagaag aacctatgag tgaaattttc attcaccaag caattcatac cattgaatac 420
 gt 422

<210> 1261
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (57)..(57)
 <223> n = unknown

<220>
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 <222> (65)..(65)
 <223> n = unknown

<220>
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 <222> (163)..(163)
 <223> n = unknown

<220>
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<223> n = unknown

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<222> (318)..(318)

<223> n = unknown

<220>

<221> misc_feature

<222> (454)..(454)

<223> n = unknown

<400> 1261

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gtgngggatc ctataaagca gcggtttcca accttttttg catcgcgccc ccctgcaaat    120
ataaaaaaaaa attgctgcgg ccccccttat tttttttaac tgnntaattt tataaatact    180
caactgatat tatcagacta caaattaata tgcaatatta tgtaaaaata ttcataaaaa    240
ctaaatatatt tttgnttatt ttttaataac gttctataaa tgggtgggta ttttcgataa    300
tagtaatctg gaaacagntg ttcgcgcccc ccttaggaca gcctggcgcc cactgaggg      360
ggcgcgcccc acaggggtgga aaccgctgct ataaagtatt ggtaaatctg aatgggtata    420
tatattggat tttcaagaat atcggcacta tggnatctct taccacattc atactatata    480
atataaaaat attgcatt                                     498

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<210> 1262

<211> 397

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (38)..(38)

<223> n = unknown

<220>

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<222> (62)..(62)

<223> n = unknown

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<222> (67)..(67)

<223> n = unknown

<220>

<221> misc_feature

<222> (77)..(77)

<223> n = unknown

<220>

<221> misc_feature
 <222> (316)..(316)
 <223> n = unknown

<220>
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 <222> (371)..(371)
 <223> n = unknown

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 cnattangaa ggggtgntgg aagcaatggt gtaggaataa ttctagatta taattgcgat 120
 ttaacatctt taatatacagg aacatctctg atagcatgtg gagtgattgc attctttata 180
 ccgaacatct atcagaagca agtggataga agaacgagca ttgcttcata tggaccataa 240
 ccatatttcc gtcgtgtggt gtgaaatgca attatacttt gagaaagtat tatcaattca 300
 aagaaaattc agaagntgct actgaatcat tttctaaaac atcgacatga aaattaataa 360
 ctctttattg ntattagatt cgatgtaaga tatatgt 397

<210> 1263
 <211> 419
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (29)..(29)
 <223> n = unknown

<220>
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 <222> (33)..(33)
 <223> n = unknown

<220>
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 <222> (304)..(304)
 <223> n = unknown

<220>
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 <222> (334)..(334)
 <223> n = unknown

<220>
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 <222> (377)..(377)
 <223> n = unknown

<400> 1263
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FC-8-C3.ST25.txt

tcaggctaac agtgaacatg aacagacgta aggagaaaaa caattttact tgcggaggac	120
tatgaggaat ggagacaatt accaaataac gaagggattg tataaggggtg aattaaggat	180
accgaagtgg ataggttaagg ttttcaggac tagttgtccc cgcttcctga ggctcatctc	240
catcacccctg cgtgtctgat gtcacagtgt taaagttatc tcgcagcaat tgcattatga	300
gagntgaatc tttatatgaa tcttcattta gggnatcgag ctctgctatc gcatcatcga	360
atgcctgttt cgcaagntgc acgctttatc aggtgaattt agtatttcat aataaaaata	419

<210> 1264
 <211> 425
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (24)..(24)
 <223> n = unknown

<220>
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 <222> (35)..(35)
 <223> n = unknown

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<223> n = unknown

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<222> (393)..(393)
<223> n = unknown

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<223> n = unknown

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aataatatat gnattggatt aacttaagnt aattctccct cgcantttta tactatagta 120

FC-8-C3.ST25.txt

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accagaaaca aaaatcagag nggggaaaat gnaaattcat atantttggg naaaatacaa      180
tcaagatata acagggccac aatattatta aaataccgtn tttgngacga aacctaaagt      240
gnngtcagaa tataaaaaac aataatattt ataccttcaa anggatgctt tgaaaaaaaag      300
cattcgaaga ttttgnttaa atattttggg aagtccacat ttatgnttgg tcggtcaatt      360
aaattatgtt tcttttgcaa gnaagaatat gtngnagata ttgcacaaaa ttagtatatt      420
ttatg                                          425
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<210> 1265
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<212> DNA
<213> Ctenocephalides felis
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<223> n = unknown
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<223> n = unknown
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gnaaagtttg taaatataat atatgtattg gattaactta gttaattctc cctcgcantt      120
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FC-8-C3.ST25.txt

ttatactata gtaaccagaa acaaaaatca gagtgtgtaa aatgtaaatt catatatattt 180
 tggtaaaaat acaatcaaga tataacagtg ccacaatatt attaaaatac gtatttgtga 240
 cgaaacctaa agtgtagtca gaatataaaa aacaataata tttatacctt caaatgtatg 300
 ctttgaaaaa aagcattcga agattttgtt taaatatattt gttaagtcca catttatgtt 360
 tgtcgttcaa ttaaattatg tttcttttgc aagtaagatt atgttgnaga tattgcacaa 420
 aattagtata ttttatgnaa ttttaagcat attgggtattt tttggaaaat cggactattg 480
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<210> 1266
 <211> 227
 <212> DNA
 <213> Ctenocephalides felis

<400> 1266
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 agcagttgtg gatgggctta tttcatcatt cgttgactgt ggttggtcgt ctttaacgtc 120
 actgtctggg aaagcaatag taaaagtatg attatgagtg aatatttatt tgctcgacta 180
 ttattattat cttactaagc aaacgcctgg gcccagggtc agtctgt 227

<210> 1267
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (54)..(54)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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<400> 1267
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FC-8-C3.ST25.txt

tcagaaatta ctatagttaa tgacattttg tttgtgctcc ttacataaaa tacaatttta	120
tacatttttaa tttttatata tattttttat atttaattgc acagatcatt tgngtattta	180
ttatattaat tgactacttt atgataattt gaatcctaatt tagtctattc aagattgttt	240
tcctgggttta agccttactt agcaatctca cttttgcatt cttcgccggg tggcgtgggt	300
atgcatcgca actccgnttt atcaaagtgc aagccatttg gacaatcata atgtttttatt	360
tgccatttgt tgttaaccaa gaaacattga taatattttt tacaatctct tcgatcggaa	420
aaaacgtttt cacttttgca tgcagtctga cgagaaagat tttgggcaaa ccattcgggtg	480
gcgcgcttca catttnag	498

<210> 1268
 <211> 306
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (33)..(33)
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<220>
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 <223> n = unknown

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tgagtgaatt aataaaataa gatttttaaaa atttatatag tatcaacacg aatatcaaaa	180
aaagntttta taggtgttct attatacgaa gcactcgaaa cattaaatct ttataaatga	240
atgttgatcc tgtagattac attggagagt agactttgga agtattttat gctcaacaat	300
tttagt	306

<210> 1269
 <211> 381
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (48)..(48)
 <223> n = unknown

<220>
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 <222> (65)..(65)
 <223> n = unknown

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 <223> n = unknown

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 <222> (238)..(238)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (381)..(381)
 <223> n = unknown

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 ttatatttct aatctaatat ccccaaattt caactaagaa gttaaatacct ttgccagtct 180
 gagaagatag gagtaaaggt acattttttc agccaactcc accattgaca agagnggnat 240
 agcctccttg gccatttaca tattgggtcca gggcacgaac acagctaatt gngcgattat 300
 ttctcgatcc cactgggtgga aatgacacct ctctagtagc tttcctgaaa aaggttccac 360
 tcttggattg gacttgacag n 381

<210> 1270
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 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (4)..(4)
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<220>
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<222> (42)..(42)
 <223> n = unknown

<220>
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 <222> (49)..(49)
 <223> n = unknown

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<220>
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 <223> n = unknown

<400> 1270
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 gcgnggcata ttttacatga atcaagagtt tgcattacaa tcgttaccct gatctgattt 120
 gcatcctcga gtaatgacac ctttttcaat ttttgaatag cagncgtcct ttggattcat 180
 acaaactttg gtcttcgctt tcctgcatct ttgaaacatt cgnttccttag ttctggaagt 240
 ttttgaacgt tacaaccga tttctcgcaa cacatTTTTT ctcggntagn cgagtcacaa 300
 ctttcttttaa ccgt 314

<210> 1271
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

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<220>
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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (420)..(420)
 <223> n = unknown

<220>
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 <222> (445)..(446)
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<220>
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 <223> n = unknown

<400> 1271
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 gctcaagatt gtagaactga gtttgatcta cacaattttt gcctaaaagg ttcgactact 180
 cagaaagcag ccacccgnga ttccataccg cctcacattt gacaataaaa tatatgtata 240
 atgttaaata ggattttaat ggaaaaaagc caatttaata ctttagcatt atgaatätgt 300
 atttccaaat tattctataa cgaatttaac ctaaaataca agaaatacat attcataaat 360
 atacatatat tttaatcaaa aaggnaactt gtgcaaaaat gaaattcaaa tacactnggn 420
 tttgctaatt taaacgggtt taganntntc tctttttttg gtatgggggg ttattgctta 480
 atttacaaca atttcttgat 500

<210> 1272
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (87)..(87)
 <223> n = unknown

<220>
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<220>
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 <222> (223)..(225)
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<220>
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<400> 1272
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 ccacaaaaaat tctagaaatc agaacaatgg accggaatat ccaaaagacc catttcagat 180
 atactttttag cgggcaactg tcgcaaaatc tggngaacaa tgnnnctttt taaaacaagn 240
 tggtccttca gtatgtgcga tcacaacata agtagctggn tgcacacctc tccttttccc 300
 atattttcca gtttttccag ctctggatc cactaaacca gttgaatttt ctggttccac 360
 aaaaacaact tcttgaaaca ataagtaaac catccttga ttcagtattt tccttagtgc 420
 ttcagatgct gaagacgatt cccatcctga tgtcctggac aattgatctt catccttga 480
 tttggtttca cttctggaaa 500

<210> 1273
 <211> 470
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<222> (34)..(35)
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<220>
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 <222> (401)..(401)
 <223> n = unknown

<400> 1273
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 catgcaaaag tgaaaacggt ttttccgac gaagagattg taaaaaatat tatcaatgnt 120
 tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccgcgcga agaatgcaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaatata caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaaatg tataaaattg tattttatgt naggagcaca aacaaaatgt 420
 cattaactat agtaatttct gattatttaa aatatataaa tatagaagct 470

<210> 1274
 <211> 347
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (11)..(11)
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<220>
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 <222> (199)..(199)
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 <223> n = unknown

<220>
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 <222> (338)..(338)
 <223> n = unknown

<400> 1274
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tttggaggta aaatatgggtt ggcaatggat ataatcattg gatatagaag gctttttatc 120
aagcttttta taaatttcga taaccacaag atattggata aaataaaatt accatgtgac 180
ccggcaaatg cttggaggnc cctgcataaa tatatttgac cccattcgct gctgatattg 240
cacactttgn tggggattca tccgttaggg attaagaaat gggcttgatg taggtatggg 300
ttcccatgcc atttgtaata tgcaatccat ttaaagtntg agacatt 347

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<210> 1275
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<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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<222> (350)..(350)
<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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<223> n = unknown

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<400> 1275
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taaaagaatt gggatttgtg catttcatga cggngcaatc agcttctgac gatttctttt 120
tacacatatt tttagaatga tcatatacat agttagnggg gcattcgaaa acctgacctt 180

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FC-8-C3.ST25.txt

taccatcttt gcagaataaa gtatcttggtg cagtctttcg gatctggctg atatacctaca	240
accgcgcatg tagtttctgc cgtcttacag ttttccccag gttttgatga gcacatatca	300
tctacacaaa atggagcatc ggaatttgag tctctgcaat tgattgttgn aattgggggtt	360
tcttgtcagc gcacaacttc aaagnagaac aatcngaca aaatgntccc aactgcttat	420
tagt	424

<210> 1276
 <211> 448
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<400> 1276

FC-8-C3.ST25.txt

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catagtaaat nngtatttcn gggtttgcaa atatggaaac taccatccct atattatata      120
taattggata tattcctgaa ctgntttatt tgaatttatt ttaaacacaa actttaatta      180
tattcaaata atgatggacg tgatttcata tatccctaaa ctttgnatca gagtttgaga      240
gaagcctagc catagtgtat agaaaattat gtgtaggtgt ataattaaga ttgcaggagt      300
caaatatata aagcattgat acaaattata cattccaatt ttctgtaaac cgcgttcttt      360
ggttgattat ggnttatatc acaanttatg aatcatgtaa attaattgta aatttgaaat      420
gtatctccga tgtaaatgta ttaacaaa                                         448
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<210> 1277
<211> 393
<212> DNA
<213> Ctenocephalides felis
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<220>
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<223> n = unknown
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<223> n = unknown
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<223> n = unknown
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<223> n = unknown
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<223> n = unknown
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<220>
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 <223> n = unknown

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 aataatcaga aattactata gttaatgacn ttttgtttgn gctccttaca taaaatacaa 120
 ntttatacnt ttttaatnttt atacatnttt tttatatntta attgcacaga tcatttgngt 180
 atttattata ttaattgact actttatgat aatttgaatc ctaattagtc tattcaagat 240
 tgttttctctg gttaagcct tacttagcaa tctcactntt gcattcttcg ccggggggcg 300
 ngggtagtga tcgcaactcc gntttatcaa agtgcaagcc atttgacaaa tcataatgnt 360
 ttatttgcca tttgntgnta accaagaaac att 393

<210> 1278
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (60)..(60)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (214)..(214)
 <223> n = unknown

<400> 1278
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 taacatttga atgaaatatt agctgtttat ttattntaat atattcatat gatntntaat 180
 atagaacatt ttgagtaatc tagattntaa atgntatntt ttgtttctag tntntaatga 240

FC-8-C3.ST25.txt

tcttaaatac ggattagttt aagttaaaca taaagtgaat cctatatagg tgccagtatc	300
aacgtgaaaa agcacacttt atctatgtgt aatttagaga tgaaataata tttttgtgga	360
agtgggcagt taattttata acagacattc ctgtttaatt ttaactttta tgatttacat	420
aaaaattgat tgataggaag cattattcaa gtcaattatt accattctta ccgtgatgtt	480
tgaaaacttt agtcataa	498

<210> 1279
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 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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<220>
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 <223> n = unknown

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 <223> n = unknown

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 <222> (425)..(425)
 <223> n = unknown

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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (474)..(474)
 <223> n = unknown

<220>
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 <222> (488)..(488)
 <223> n = unknown

<400> 1279
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 naaaaaatcat aattcgacaa ttttacttgt atttatctta aacatattta cagtatttcc 120
 tcaaaaactg ttaaatacaa taagttaact taaatacatg gatgttctga gaatgtggat 180
 gagtcaaga ttgtagaact gagtttgatc tacacaattt ttgcctaaaa ggntcgacta 240
 ctcagaaagc agccaccogt gattccatac cgcttnacat ttgacaataa aatatatgtn 300
 tnatgttaaa taggatttta atggaaaaaa gccantttaa tacttttagcn ttatgaatat 360
 gtattttcaa attattctat nacgaattta acctaaaata caagaaatac atattcatna 420
 atatnctat attttnatac aaaaaggnga cttgtgccaa aatgaaaatc aanacactt 480
 gggtttgnta aattaaatg 500

<210> 1280
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1280
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 catgcaaaaag tgaaaacggt ttttccgac gaagagattg taaaaaatat tatcaatggt 120
 tcttgggttaa caacaaatgg caaataagac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccgcgga agaatgcaaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaatata caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaaa aattaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt 420
 cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt 480
 acatgtatct ttttaata 498

<210> 1281
 <211> 415
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (18)..(20)
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<220>
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 <222> (44)..(44)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (55)..(55)
 <223> n = unknown

<220>
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 <222> (133)..(133)
 <223> n = unknown

<220>
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<223> n = unknown

<220>

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<222> (249)..(249)

<223> n = unknown

<220>

<221> misc_feature

<222> (402)..(402)

<223> n = unknown

<220>

<221> misc_feature

<222> (407)..(407)

<223> n = unknown

<400> 1281

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ttattttacac taaaaacaat ttatatattga attttcagac atagtatgat gaatttgagc      120
ttatgttctc tgntattggc cacattgata tattttattta tatacataat ttatgatatt      180
acagacattc gaatattgct ttaataaata aaatcattat acataattgc taagtaataa      240
tacactatng gcaatatttc aataataagt ttaggccaaa catttaaatt ttgactgaat      300
ctgaataact ttaataatac agtaacaaac aatcaaaaata attaatatttg cagtacagtt      360
ataatgaaac aagacaatgg ggaactttat attttatatt gntatgnata tacac          415

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<210> 1282

<211> 254

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (23)..(23)

<223> n = unknown

<220>

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<222> (133)..(133)

<223> n = unknown

<400> 1282

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aaaaattcta gaaatcagaa caatgctttc aaaatacaaa tacacgtcct acaatatcac      120
cattcaacac ctncaacaat ttactatat catttactcc tcaaaattcg tcctagtagg      180
cttataaaca ccgacatcct tgtcctccga atggtagccc aaggaggcca attcgtccat      240
aacctcaaca ttgt

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254

<210> 1283
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1283
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 catgcaaaaag tgaaaacggt ttttccgacg gaagagattg taaaaaatat tatcaatggt 120
 tcttggttaa caacaaatgg caaataagac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccggcgga agaatgcaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt 420
 cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt 480
 acatgttctt ttaataaa 498

<210> 1284
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (51)..(51)
 <223> n = unknown

<220>
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 <222> (209)..(209)
 <223> n = unknown

<220>
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 <222> (406)..(406)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <223> n = unknown

<400> 1284

FC-8-C3.ST25.txt

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gttcataaag cttctatatt tatatatatt aaataatcag aaattactat agttaatgac	120
attttgtttg tgctccttac ataaaataca attttataca ttttaatttt tatacatatt	180
ttttatatatt aattgcacag atcatttgng tattttattat attaattgac tactttatga	240
taatttgaat cctaattagt ctattcaaga ttgttttcct ggtttaagcc ttacttagca	300
atctcacttt tgcattcttc gccgggtggc gtgggtatgc atcgcaactc cgttttatca	360
aagtgcaagc catttggaca atcataatgt tttatttgcc atttgntgnt aaccaagaaa	420
cattgataat attttttaca atctcttcga tcggaaaaaa cgttttcact tttgcatgca	480
gttctgcacg agaaagantt	500

<210> 1285
 <211> 111
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (12)..(12)
 <223> n = unknown

<220>
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 <222> (90)..(91)
 <223> n = unknown

<400> 1285	
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attggtttta tataaatgtt tataagcgtn naaaaaaaaa aaaaaaaaaa a	111

<210> 1286
 <211> 429
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (64)..(64)
 <223> n = unknown

<220>
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 <222> (403)..(403)
 <223> n = unknown

<220>
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<222> (418)..(418)

<223> n = unknown

<400> 1286

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aacntgtttt cttgtttttac taaaaaatgt cgttatTTTT tcaatgaata ttgaaagtgt 120
ttccaaaaat ttctaagtta atttaattaa ttttttaatt atttttattc agatgttgtc 180
acacaaaact atttatatat catcatatTT attttgtata tattttctat gataaacctg 240
taaattatTT ataaaaagaa gccaaaaaaa agaatttgta gtgaaaaaat atttcaaatt 300
tgaaacacaa actgaatggt ctgaatgtta attatatgtg attaaaaata taaacattta 360
ttgaaatatt aaaaaaaaaac aatacaaatt atggttagatt ggnaaaaaaaa aaaaaanaa 420
aaaaaaaaa 429

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<210> 1287

<211> 498

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (373)..(373)

<223> n = unknown

<400> 1287

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tgaatgatta aatgtaatag attaatcaaa ttttagatga ttaaaattgt tctattacta 120
caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat 180
agattttgaa taataacata gaaattatac tttttttttg atgactctaa taaaaaaaaat 240
gtataaatgg ccatgcctga tatatttttg ataaccttaa tgaaaaaatg tttaaatggc 300
catgtctgaa aagatttcta tgtgtatTTT tttgttaaca ttttattggt gaatggataa 360
aagataaata canttttata agctgtttgg ataaattaat tttgaataaa tccataatca 420
tagaatatgt taagtagcaa attaaaatat ggaccacaaa ccacaaaatg tatacgaaat 480
ataacttata tgatatat 498

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<210> 1288

<211> 336

<212> DNA

<213> Ctenocephalides felis

<400> 1288

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caagaacact atacgtgcga aaactgagaa taaagctccc gctaaaaata ctgttctact 60

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FC-8-C3.ST25.txt

gctgacttta acacaagcag tcattcctgc caaaaacatc cttgatgaca aatctgcagc	120
tgctgcggca gatacacaaa ttgctgtatc agtctttgac cagcctaatag caaacagata	180
cattgtttga atagcagaaa atgctatgtc ggagtatagt gcaaagtgtca ctccaataac	240
catattttaca taaatccagt cttttaacaa agtcaaattc aaaaagtcaa cgataacttg	300
caattttccc ctagatttct tctctaccgg tgcagt	336

<210> 1289
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (392)..(392)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (442)..(442)
 <223> n = unknown

<400> 1289	
ctgaaatgtg aagacgacgt caacgaatgg ttgacccaa aatctttctc gtgcagaact	60
gcatgcaaaa gtgaaaacgt tttttccgat cgaagagatt gtaaaaaata ttatcaatgt	120
ttcttggtta acaacaaatg gcaaataaga cattatgatt gtccaaatgg cttgcacttt	180
gataaaacgg agttgcatg catacccacg ccacccggcg aagaatgcaa aagtgcagatt	240
gctaagtaag gcttaaacca ggaaaacaat cttgaataga ctaattagga ttcaaattat	300
cataaagtag tcaattaata taataaatat acaaatgatc tgtgcaatta aatataaaaa	360
atatgtataa aaattaaaat gtataaaatt gnttttatgt aaggagcaca aacaaaatgn	420
cattaactat agtaatttct gnttatttaa aatatataaa tatagaagct ttatgaaatt	480
catgtttctt ttaataaaaa	500

<210> 1290
 <211> 386
 <212> DNA
 <213> Ctenocephalides felis

<400> 1290

FC-8-C3.ST25.txt

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cctacacaac tcagggcaat ggcagtatgt atatctttaa tgatgggtcg attaggaagt      60
gttggttgaa gcaatgttgt aggaataatt ctagattata attgcgattt aacattttta      120
atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat      180
cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt      240
cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcaattacaa agaaaattca      300
gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt      360
tattgatttc gatgtaagat atatgt                                           386

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<210> 1291
<211> 255
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (57)..(58)
<223> n = unknown

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<400> 1291
cggcgacaaa acacttgaag ataaattctt tgaacatgag gttcatctca atgtgtnngc      60
tttcttgcaa caattccatt tcggagtatt ttactcttat ttgaaactca aggaacaaga      120
gtgccgtaac attgtttgga taagtgagtg cgttgctcaa aagcacagga ccaagattga      180
caactacatt ccaatatttt aattaatttg ttgttaattt tgataacggt gatttttatcc      240
agatgtttgt tgtgt                                                         255

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<210> 1292
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (475)..(475)
<223> n = unknown

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<400> 1292
catcatacca gccgaaagcg caaaaccaa tttggatatca gatataggag ttgataataa      60
ttgccaatca attattaaca gcgatgctgt taacagcaac gaagttgtgg aagaacctat      120
tgtgaatgga gaaactgtga acaatgctaa agcaatagaa gaattagata aatgcaccaa      180
ggaaattaac gaaatacttc gtgagttaga cgatacgccg gcaacaaatt tggaagttca      240
gaatgacgac actaacaaca atcaaatgcc cgcttgggtcc tcattttaca gaagcgtaac      300

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FC-8-C3.ST25.txt

gactgtctct gatggaaaac atcgtgcaga gatcaataat gtccaattga attctagtcc 360
 tgagaatagt cttgaaattg atctaaatgc aagcacctta aagaactaaa gaaatagact 420
 tcactttaat ttaaagggtt ctaacaatcc tattattatc ttatagtata tatgntacag 480
 aaacatcaat tttatata 498

<210> 1293
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (48)..(48)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (96)..(96)
 <223> n = unknown

<400> 1293
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 atgggtgattt atttcattta aaggcaatgt atcggnttaa tgggttttaa tttatttttt 120
 atttaatat aaatagatta attaaaaatc tataaagtga taagaggcct gatatccata 180
 atattattga atattaagaa gtgacggata gatctgataa tgtagtagtt gttatagaca 240
 atttacttaa taattatgag ttgcatcatt atgcaatgat ttatcactat tatttattca 300
 acattttatt taactgcttg caacttttaa taaaacgcat tttttattgt ttttaagtata 360
 aatcttatta gggcacaata tgaaaataaa aataagaact ttatacaaaa gcttttttta 420
 tacaatatgc ttcttgcgct attaagttaa gaaattttat ttatgcttgt aaaaaaacia 480
 taaatgcttt atttatca 498

<210> 1294
 <211> 258
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (12)..(12)
 <223> n = unknown

<220>
 <221> misc_feature

<222> (83)..(83)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (92)..(92)
 <223> n = unknown

<400> 1294
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 cggctctattc tgcattcatg cngcgcacc tncaacacat atacgggggg taacagaagt 120
 gctctgcaga gaactagttg ccatgtctac agttccaggg gctcaagaac taaggagagc 180
 aaaaacacaa cttcaatcaa tggtattgat gaatttggaa gctcgtcctg tgggtatttga 240
 agatataggt agacaagt 258

<210> 1295
 <211> 362
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (28)..(28)
 <223> n = unknown

<220>
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 <222> (30)..(30)
 <223> n = unknown

<220>
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 <222> (66)..(67)
 <223> n = unknown

<220>
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 <222> (69)..(69)
 <223> n = unknown

<220>
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 <222> (157)..(157)
 <223> n = unknown

<220>
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 <222> (246)..(246)
 <223> n = unknown

<220>
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 <222> (286)..(286)

<223> n = unknown

<220>

<221> misc_feature

<222> (346)..(346)

<223> n = unknown

<220>

<221> misc_feature

<222> (350)..(351)

<223> n = unknown

<220>

<221> misc_feature

<222> (357)..(357)

<223> n = unknown

<400> 1295

tgataaattg cctgcaagaa tgagtttnan ggaacgaaaa gaatcggcca aatgcatgca 60

aaaggnngna ttaaataac aactagcagc agccagagtt tcaactgatg ttggcattaa 120

agtaggagaa gccctcagga atgtcgtgga acttcgntta gatttgggaa aatgttcttc 180

agacaatttg aataaatggg aatccagatt ggaagaaatt aatgatgttg tggaaaattg 240

catcgngtga aattgtaact tgaaataatt tttcttaact attagnntta tagatgaaca 300

aatacataat ctaataaacc agcaagtga ctcaaaaaaa aaaaanttan naaaaanaaa 360

aa 362

<210> 1296

<211> 148

<212> DNA

<213> Ctenocephalides felis

<400> 1296

atgaaattat gtgttttgaa atttttccga ttttgtaaatt aagacatgct tttgttttga 60

tatttttaaat gtgttcattg ggattactgg ctttttttac aaactcatat gcttgatagc 120

catatacata cacataattt gcacatgt 148

<210> 1297

<211> 203

<212> DNA

<213> Ctenocephalides felis

<400> 1297

tatttttact aacagttgca tttatttggt aaataataaa ttttaattaa attaataaaa 60

aaaaatctac gtcacaaatt cgatgtcgat acaacgttgt cgcgatatcg catgtttagt 120

aactttgaaa cttttataac ttttaaacgg tttgtttaat ttgagtgaat tatttggcaa 180

atttcttgga aattaaataa tgt 203

<210> 1298
 <211> 203
 <212> DNA
 <213> Ctenocephalides felis

<400> 1298
 tattttttact aacagttgca tttatttggt aaataataaa ttttaattaa attaataaaa 60
 aaaaatctac gtcacaaatt cgatgtcgat acaacgttgt cgcgatatcg catgttttagt 120
 aactttgaaa cttttataac ttttaaacgg tttgtttaat ttgagtgaaa tattttggcaa 180
 atttcttgga aattaaataa tgt 203

<210> 1299
 <211> 389
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (70)..(70)
 <223> n = unknown

<400> 1299
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 ttccaccagn gggatcgaga aataatcgca caattagctg tgttcgtgcc ctggaccaat 120
 atgtaaatgg ccaaggaggc tatgccactc ttgtcaatgg tggagttggc tggaaaaatg 180
 taactttact cctatcttct cagactggca aaggatttaa cttcttagtt gaaatttggg 240
 gatattagat tagaaatata atgaaaatgt gaatatagaa aaaaaattaa atatacaata 300
 gtatttttaa tttggcacac atctatctat gcatccataa ataaaggta tatacagcat 360
 tcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 389

<210> 1300
 <211> 192
 <212> DNA
 <213> Ctenocephalides felis

<400> 1300
 catcgccatc taatgagttt gatcccaa at agacggattt taaaatgcca gcgttttaggc 60
 aatgtgcagc tggtacaatc caacgtttgt tcaagatgga accaccacag aaatgctcca 120
 ggttctgate tctcaatgat acttggtacg cgaacctatg caaactggaa ttaaagctgt 180
 tgattctctt gt 192

<210> 1301
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (25)..(25)
<223> n = unknown

<220>
<221> misc_feature
<222> (28)..(28)
<223> n = unknown

<220>
<221> misc_feature
<222> (33)..(33)
<223> n = unknown

<220>
<221> misc_feature
<222> (53)..(53)
<223> n = unknown

<220>
<221> misc_feature
<222> (68)..(68)
<223> n = unknown

<220>
<221> misc_feature
<222> (92)..(92)
<223> n = unknown

<220>
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<222> (163)..(163)
<223> n = unknown

<220>
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<222> (214)..(214)
<223> n = unknown

<220>
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<222> (240)..(240)
<223> n = unknown

<220>
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<222> (322)..(322)
<223> n = unknown

<220>
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<222> (386)..(386)

<223> n = unknown

<220>

<221> misc_feature

<222> (393)..(393)

<223> n = unknown

<220>

<221> misc_feature

<222> (396)..(396)

<223> n = unknown

<220>

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<222> (405)..(405)

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<221> misc_feature

<222> (486)..(486)

<223> n = unknown

<400> 1301

tttttttttt tttttttttt ttttnaangc tgnatataac ctttatttat ggntgcatag	60
atagatgngt gccaaattta aaatactatt gnataatttaa ttttttttct atattcacat	120
tttcattata tttctaactt aatatcccca aatttcaact aanaagttaa atcctttgcc	180
agtctgagaa gataggagta aagttacatt tttncagcca actccaccat tgacaagagn	240
ggcatagcct ccttggccat ttacatattg gtccagggca cgaacacagc taattgtgcg	300
attattttct gatcccaact gnggaaatga cacctctcta gtagctttcc tgaaaaagtt	360
tccactcttg gattggactt gacggncctc ggncgngacc acgtngagcg ggcgccgggc	420
aggtcattga attgatgtaa catttaatga aagcagttca gtagaccgat caggccactt	480
tgagcnttca taaaatgcct	500

<210> 1302

<211> 386

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (364)..(364)

<223> n = unknown

<220>

<221> misc_feature

<222> (384)..(385)

<223> n = unknown

<400> 1302

FC-8-C3.ST25.txt

tgtcaagtcc aatccaagag tggaaacttt ttcaggaaag ctactagaga ggtgtcattt	60
ccaccagtgg gatcgagaaa taatcgacaca attagctgtg ttcgtgccct ggaccaatat	120
gtaaatggcc aaggaggcta tgccactctt gtcaatgggtg gagttggctg gaaaaatgta	180
actttactcc tatcttctca gactggcaaa ggatttaact tcttagttga aatttgggga	240
tattagatta gaaatataat gaaaatgtga atatagaaaa aaattaaata tacaatagta	300
ttttaaatTTT ggcacacatc tatctatgca tccataaata aaggttatat acagcattca	360
aaanaaaaaa aaaaaaaaaa aaanna	386

<210> 1303
 <211> 455
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n = unknown

<220>
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 <222> (36)..(36)
 <223> n = unknown

<220>
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 <222> (41)..(41)
 <223> n = unknown

<220>
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 <222> (43)..(43)
 <223> n = unknown

<220>
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 <222> (49)..(49)
 <223> n = unknown

<220>
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 <222> (208)..(209)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (238)..(238)
 <223> n = unknown

<220>
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 <222> (258)..(258)

<223> n = unknown

<220>

<221> misc_feature

<222> (338)..(338)

<223> n = unknown

<220>

<221> misc_feature

<222> (369)..(369)

<223> n = unknown

<400> 1303

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taatccaaga gcttatgaaa ttgtatttat cttttatcca ttcagcaata aaaggtaata    180
aaaaatacac atagaaatct tttcaggnnt ggccatttat acattttttt attacagnca    240
tcaaaaaaat agtatttnta tgttattttt caaaatctat acattgataa gggtagaaa     300
tttgttcggg taattttcag gctgagggtg ctactgtngt aatagaacaa ttttaataat    360
ctaaaattng attaattctat tacatttaat cattcaatag taaatttcct tttggaattc    420
gaatggtgcc attacgggaa acaaagtctc ctcgt                                  455

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<210> 1304

<211> 386

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (65)..(65)

<223> n = unknown

<400> 1304

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cctacacaac tcagggcaat ggcagtatgt atatctttaa tgatgggtcg attaggaagt      60
gttgntggaa gcaatgttgt aggaataatt ctagattata attgcgattt aacattttta    120
atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat    180
cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt    240
cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcgattacaa agaaaattca    300
gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt    360
tattagattc gatgtaagat atatgt                                  386

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<210> 1305

<211> 498

<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (3)..(3)
<223> n = unknown

<220>
<221> misc_feature
<222> (9)..(9)
<223> n = unknown

<220>
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<222> (52)..(52)
<223> n = unknown

<220>
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<222> (63)..(63)
<223> n = unknown

<220>
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<222> (88)..(88)
<223> n = unknown

<220>
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<222> (102)..(102)
<223> n = unknown

<220>
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<222> (120)..(120)
<223> n = unknown

<220>
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<222> (128)..(128)
<223> n = unknown

<220>
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<222> (162)..(162)
<223> n = unknown

<220>
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<222> (193)..(193)
<223> n = unknown

<220>
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<222> (343)..(343)
<223> n = unknown

<220>
 <221> misc_feature
 <222> (392)..(392)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (406)..(406)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (444)..(444)
 <223> n = unknown

<400> 1305
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 ggntgcaaaa gtgaaaacgt tttttccnat cgaagagatt gnaaaaaata ttatcaatgn 120
 ttcttggnata acaacaaatg gcaataaaaa cattatgatt gnccaaatgg cttgcacttt 180
 gataaaacgg agntgcatg cataccacg ccaccggcg aagaatgcaa aagtgagatt 240
 gctaagtaag gcttaaacca ggaaaacaat cttgaataga ctaattagga ttcaaattat 300
 cataaagtag tcaattaata taataaatac acaaatgac tgngcaatta aatataaaaa 360
 atatgtataa aaattaaaat gtataaaatt gnattttgtg taaggngcac aaacaaaatg 420
 gcattaacta tagtaatttc tgantattta aaatatataa atatagaagc tttatgaaat 480
 taaagaaaaa aaaaaaaa 498

<210> 1306
 <211> 322
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (61)..(61)
 <223> n = unknown

<400> 1306
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 naaatatatt acatcactcg taaggcttgt catcgtaaaa gtaaacadat aatttattat 120
 tcaccaatca gttcatttat cataacaaag acatatataa taagatttta gtttaattat 180
 aaaaaatgct aaaaaatatt tttaacaaaa acgcaataga attatttatg aattattact 240

taacattttca aaaggtgcat atttggtgat aaataaacia atgcattaga gataagcaaa 300
tattttatgaa aagtatgaac ag 322

<210> 1307
<211> 499
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (42)..(42)
<223> n = unknown

<220>
<221> misc_feature
<222> (49)..(49)
<223> n = unknown

<400> 1307
tttttttttt tttttttttt ttgtaacttt atattttata tngctatgna tatacacaat 60
atgatcaaat tttaacagtt aaattgaatt tattagatta tataaaaactg aaaattatca 120
tggaatgtaa tttaaaatca tacagaaaaa aacaaatata ataataaaat ttgataatat 180
ttcaacaact tgtagctagt acggcagaat actgtttcac aacaacatac tttcatttta 240
acaatagaat cattatttta taagtatcta caatttcttt aaacattaaa acatgtcttc 300
atgttttctt tacattaagg atgtgggttag taccagacat cccaaaaact gatttaatat 360
tctttacatg gagaagacat catataaagg gaaataaaat atggtattga tggaaacttt 420
agtaagattt ttaatgacga gaatcacgtg ggtaaaactc ggcgagggtg gaagcgggta 480
ttctcttcaa catctcctt 499

<210> 1308
<211> 421
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (8)..(8)
<223> n = unknown

<220>
<221> misc_feature
<222> (94)..(94)
<223> n = unknown

<400> 1308

FC-8-C3.ST25.txt

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caatcggntg caacttgtca ttgcaccaag cataaattga tgggtccggt gcataggtta      60
taaaagaatt gggatttgtg catttcatga cggngcaatc agcttctgac gatttctttt      120
tacacatatt tttagaatga tcatatacat agttagggtg gcattcgaaa acctgacctt      180
taccatcttt gcagaataag tatcttgtgc agtctttcgg atatggctga taccctacaa      240
ccgcgcgatgt agtttctgcc gcttacagtt tttccagggt ttgatgagca catatcatct      300
acacaaaatg gagcatcgga atttgagtct ctgcaattga ttgttgtaat tggggtttct      360
tgtcagcgca caacttcaaa gtagaacaat cgtgacaaaa tgttccaac tgcttattag      420
t                                                                           421

```

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<210> 1309
<211> 328
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (64)..(64)
<223> n = unknown

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<400> 1309
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atgngtttga aaaaacacca caacattggt tataggaagc ttgaccttg ttacttttagt      120
tttcaaaatt tgttcaaggc cctcttctcc ctttctctcg taagcttttt taagtatctc      180
ataagtcaat cttttttttg acattttgcg aagtgtttca atggttacga ctgatttaag      240
aggtgccaat aatattagct catcagccat tttttgcatt tccaaaatat catcgataat      300
tctgagtttg tttgaaagggt gcttcagt                                         328

```

```

<210> 1310
<211> 495
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (65)..(65)
<223> n = unknown

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<400> 1310
aatgtgaaga cgaccgtcaa ccgaatgggt tgacccaaaa tctttctcgt gcagaactgc      60
atgcnaaagt gaaaacgttt tttccgatcg aagagattgt aaaaaatatt atcaatgttt      120
cttggttaac aacaaatggc aaataaaaaca ttatgattgt ccaaattggct tgcactttga      180

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FC-8-C3.ST25.txt

taaaacggag ttgcgatgca tacccacgcc acccggcgaa gaatgcaaaa gtgagattgc	240
taagtaaggc ttaaaccagg aaaacaatct tgaatagact aattaggatt caaattatca	300
taaagtagtc aattaatata ataaatcaca aatgatctgt gcaattaaat ataaaaaata	360
tgtataaaaa ttaaaatgta taaaattgta ttttatgtaa ggagcacaaa caaatgtca	420
ttaactatag taatttctga ttatttaaaa tatataaata tagaagcttt atgaaattca	480
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tataattgca tttcacaaca cacgacggaa atatggttat ggtccatatg aagcaatgct	180
cgttcttcta tccacttgct tctgataaat gttcgggtata aagaatgcaa tcaactccaca	240
tgctatcaga gatgttctctg atattaaaaa tgttaaatcg caattataat ctagaattat	300
tctacaaca ttgcttccaa caacacttcc taatcgacct atcattaaag atatacatatc	360
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 tacctggctg tcaaaccaaa gaacgccaca ggcggacaaa atacaacgat tgggcgaatg 180
 acgatcaatc ctcagctgtc gatgatagaa aggcacgaag cggctttgtc cgaaatttcg 240
 aaacaaattc gatattataa cacgaaacaa acagtaatca atgaagaaat atttggtcca 300
 ttgcagaatg attccgtcgt cattgttg 328

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 atatgatccg ttacgtcata attgcggacc tatggctctg ggcacaaaat gctatacagt 180
 tacatgtcct gcacagccta aggtgcttcc gt 212

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catcctttgt agcctgtctt tgtgaatcat taaaataaag caggt 165

<210> 1315
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aacacatctc atgtaagggt actttattgt aaaagttatt ttatatgtan tttttaataa 120
cattaaaatt attttgttct ttctgttaga tgaattgtgt gttanattct gtgctgtgat 180
ttacatacan nttataacag attgaaatgc aatctataaa agcattatct caataatcat 240
tatatagtan ttttgatttt gactatttgc agataaattc attacatttt aaaatgttta 300
ctttattaag ctatacaaac cttgaacttt acacttttga tttctagaac ataagtatta 360
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<210> 1316
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gctgcggggca ccaacnagcg gcctncaatg aagatattcc gtagccgaag agttcttctc 120

agtgatggt 129

<210> 1317

<211> 276

<212> DNA

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tttaacttta attgcttcaa aacatggaac acgatgtgct aaatgtggcc aaacgttttg 180

ttcaaaataa tccatatcta catctaagtt atcgactggc ggttctttgt caggatctgg 240

tgaacgacca cagatatatc tgccacctaa tccatc 276

<210> 1318

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<212> DNA

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 atgcacactt aacactacca gcaattttgt ctcagcataa aatttcataa atagaggagc 180
 tnaaaaagaa caaaataacc ataatatagt cattaacatt aacaaaaata taatattatn 240
 tattaataag taaagcaaat ataatctttg aaaaatattc ttacacacac tcacatatat 300
 atgcctttgc atagactccg aatggagtcg agatcaaaat aataacatgg agcatcatac 360
 aactcaaag aacaaatagt ataataataa tatgcgtggt aaatatcatt cattcatttn 420
 tttttttttt ttattgccga ttattcgaga gccaaataat aaaaattaaa ttattcaata 480
 ttaaaatata aaatgnaaat 500

<210> 1319
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<222> (147)..(147)

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<223> n = unknown

<400> 1319

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tttaattgca gtgtatcata ttatagnttg naggtggtat attttatttg taaattggtg 180

ntcatatttc tcaaacgatt gtttatgtat tacacagtat taaaataaac cttggatgca 240

ataattgtta taacaacatt gttgttagta ataaaatttt atcaatggat tattanaaaa 300

aaaaaaaaaa ngaanaattg gaaaaataaa aaaaaaaaaa 340

<210> 1320

<211> 310

<212> DNA

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<222> (39)..(39)

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<222> (203)..(203)

<223> n = unknown

<400> 1320

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ggtcacatct gccagcatac aggattgggt tcatgatgaa ttgagtcaac aaccttcatt 120

gaacctgggt ttaccacaaa gaccagaaca tatattaaca gattgtatgc accgtcacat 180

caaaagacgg tgacttcttt ttnaaaagca atggtgtcga agattcttca gcagaagttc 240

cagtttgtgg tctctatttg atcacagaag ccaacatgag ggttgagttg acaattaggc 300

attttgatgt 310

<210> 1321

<211> 157

<212> DNA

<213> Ctenocephalides felis

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ttccaggtgt gagcctggca caaagcctgt caaatgtaca cattgtaacg gaacagggat 120

ggagacttta tccacagggc cttttgttat cagaagt 157

<210> 1322

<211> 328

<212> DNA

<213> Ctenocephalides felis

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<222> (56)..(56)

<223> n = unknown

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<222> (64)..(64)

<223> n = unknown

<400> 1322

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atgnttttga aaaaacacca caacattgtt tatagtaagc ttgaccttg ttactttagt 120

tttcaaaatt tgttcaaggc cctcttctcc ctttccttcg taagcttttt taagtatctc 180

ataagtcaat cttttttttg acatttttgcg aagtgtttca atgggttacga ctgatttaag 240

aggtgccaat aatattagct catcagccat tttttgcatt tccaaaatat catcgataat 300

tctgagtttg tttgaaagtt gottcagt 328

<210> 1323
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 <222> (325)..(325)
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 atggaatgta atttaaaatc atacagaaaa aaacaaatat aataataaaa tttgataata 180
 tttcaacaac ttgtagctag tacggnagaa tactgtttca caacaacata ctttcatttt 240
 aacaatagaa tcattatttt ataagtatct acaatttctt taaacattaa aacatgtctt 300
 catgttttcc ttacattaag gatgnnggta gtaccagaca tcccaaaaac tgattttaata 360
 ttctttacat ggagaagaca tcatataaag ggaaataaaa tatggnttga tggaaacttt 420
 agtaagattt ttaatgacga gaatcacgtg ggtaaaaactc ggcgagggtg gaagcgggtt 480
 tctcttcaca tctccttg 498

<210> 1324
 <211> 341
 <212> DNA
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aattnctatn gttaatgacn ttttgnttgn gtccttaca taaaatacan ntttatacnt      180
tttaattttt atacatattn tttatattaa ttgcacanat cattctgngt atttattata      240
ttaattgact actttatgat aatttgaatc ctaattagtc tattcaagat tgttttcctg      300
gtttaagcct tacttagcaa tctcactttt gcntttcttcg c                          341

<210> 1325
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<212> DNA
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 ggncgtatnt gtagactttg atacaccttt tttnggtaag ctccanaaca cctgatccct 180
 gccgaatacg tgagcttcag ttagcgtttc cggttaacttt tgggtgtaaag tttccggcaa 240
 gaacattncg gaagtcgcmc ccaccatcat nattacggaa agtacagcgt acgggtatnt 300
 ggcgtcatat gtggttccca agtatacaat gtatgggcct aatactccta atgcatttga 360

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aactatngtt ncaatggaaa ttctgtctg cctcacacag gttggatatg tttncattgc 420
 ttgcagattc acacataaaa cgtgatgctt atgtnaaatt ttattccacg gttacagnga 480
 taccaaattc tggagggtt 500

<210> 1326
 <211> 305
 <212> DNA
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agttacattt ttccagccaa ctccaccatt gacaagagtg gcatagcctc cttgaccatt      180
tacatattgg tccagggcac gaacacagct aattgngcga ttatttnttg aaccactgg      240
nggaaatgac acctntntag taactttcct gaaaaagctt ccacttttgg attggacttg      300
acggt                                           305

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<210> 1327
<211> 480
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<213> Ctenocephalides felis

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tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg      180
ataaaacgga gttgcatgac ataccacgc caccggcgca agaatgcaaa agtgagattg      240
ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc      300
ataaagtagt caattaatat aataaatcac aaatgatctg tgcaattaaa tataaaaaat      360
atgtataaaa attaaaatgt ataaaattgt attttatgta aggagcacia acaaaatgtc      420
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<210> 1328
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 tgtggatgag ctcaagattg tagaactgag tttgatctac acaatttttg cctaaaaggt 180
 tcgactactc agaaagcagc caccctgtgat tccataccgc ctcacatttg acaataaaat 240
 atatgtataa tgttaaataa gatttttaatt gaaaaaagcc aattttaatac ttttagcatta 300
 tgaatatgta tttccaaatt attctataac gaatttaacc taaaatacaa gaaatacata 360
 ttcataaata tacatatatt ttaatacaaa aaggtaactt gtgcaaaaat gaaattcaaa 420
 tcacttggtt ttgctaattt aaattgnttt tagatttttc tctnttttgn tatgggtggtt 480
 attgcttaatt ttacaacaat 500

<210> 1329
 <211> 290
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (194)..(194)
 <223> n = unknown

<400> 1329
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 gtaacaaaag tagtaaaca atagaattag ttctaattta cttataccta aactaattca 180
 gataagttga gtanatcgcc attttctttt aatttaataa aaaaaattat gatgtattaa 240
 atatttcaca tattgttttt aaatgtttca gatattcttat acaagtttgt 290

<210> 1330
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<212> DNA
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 <223> n = unknown

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 tgctctgtag aaccttttca attcctcata gtgctgggtct ctgaaacttc tggatgttgt 180
 ctgatataga agatgattga aatccaaagc tggnggattg naggtgcadc tttggaaadc 240
 taccaagatg cattgttcan gtagaccngt tgaattatat ttgaacatca aattgtgatt 300
 gcgcgtatcg cggnggcata ccacattctt ataaatgcgc gatgggtttac catagaccat 360
 gccaatctca gg 372

<210> 1331
 <211> 270
 <212> DNA
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<223> n = unknown

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<222> (49)..(49)

<223> n = unknown

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atataaatat gatgctattg ttaaattgtc aataaatgca caaattattc cacaaatccc 120

gcatgagacc atcacgaata caagaattgg aagctttccc acagagttaa taatagcacc 180

tattatggga aatccaatcg catatccagc ttccaacatt aaagaatgca taaatgcctg 240

ttcttccatt gtgtctttac actcggtcgt 270

<210> 1332

<211> 415

<212> DNA

<213> Ctenocephalides felis

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<223> n = unknown

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<222> (385)..(385)

<223> n = unknown

<400> 1332

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caacacatnt natgtaagggt tactttattg taaaagttat tttatatgta atttttaata 120

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acattaaaat tattttgttc tttctgtag atgaattgtg tgtagatct tgtgctgtga 180
ttacatata atttaataca gattgaaatg caatctataa aagcattatt tcaataatna 240
ttatatagta attttgatth tgactatthg cagataaatt cattacatth taaaatgtht 300
actttattaa gctatacaaa ccttgaactt tacactthgt atthctagaa cataangtat 360
taaataaatt gttaaaaata tttgnggcta gattthccta ttgctaattg tgtgt 415

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<210> 1333
<211> 0
<212> DNA
<213> Ctenocephalides felis

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<400> 1333
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<210> 1334
<211> 313
<212> DNA
<213> Ctenocephalides felis

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<400> 1334
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cgtggcatat ttacatgaa tcagagthtg cattacaatc gttacctga tctgatttgc 120
atctctgagt aatgacacct tthtcaatth ttgaatagca gtcgtcctth ggattcatac 180
aaactthggt ctctgtctth cctgcatctt tgaacattc gthtcttagt tctggaagtt 240
thtgaacgth acaacctgat ttctgcaac acatththtct tcggttagtc gagtcacaac 300
thtctthaac cgt 313

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<210> 1335
<211> 385
<212> DNA
<213> Ctenocephalides felis

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<220>
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<223> n = unknown

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<220>
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<222> (329)..(329)
<223> n = unknown

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<400> 1335
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agaaaatgat tcagtagcaa ctctgaatt thtthtgtaa tcgataatac thtctcaaag 120

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tataattgca tttcacaaca cagcagcgaa atatggttat ggtccatatg aagcaatgct	180
cgttcttcta tccacttgct tctgataaat gttcgggtata aagaatgcaa tcaactccaca	240
tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat	300
tcctacaaca ttgcttccaa caacacttnc taatcgaccc atcattaaag atatacatat	360
tgccattgcc tgagttgtgt aggggt	385

<210> 1336
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (57)..(57)
 <223> n = unknown

<220>
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 <223> n = unknown

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caaaggtaac ctttgtaatg tcgatgtttt cccaagaaat cgcagggttt gcaacgctaa	120
agatgatgcc aaggaagttt gtctcaagcc acaagatact tgtttgagta ttttaaattgc	180
acaagggtgat gccataaaat taggggtgcac cagcaacctg ttcaagaacc agaattctgaa	240
aaaaatgtgc gagaaaaaac cagaacgttg cccaacttgt gacaaaaacg aatgcaatgg	300
tgatgccaaa aaacacgaat gtgtttcttg tgatgaaaat gatgaaaatt gcttgacgac	360
cctgaaaaag tcgagacgaa gaccaaattgc atgggcaaatt gctacttana tattgacgga	420
gataaagtga agagaggctg cccgcaccta caaatgcgat aaggaaactt gtctggaatg	480
cgaggaagag attgccga	498

<210> 1337
 <211> 379
 <212> DNA
 <213> Ctenocephalides felis

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 <223> n = unknown

<220>
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<400> 1337
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 ttcgggtgaa ctgcacgaat tcacgcaact aaattttact tttttacatt ttgctcggg 180
 tttcgggtaca ggtgtaggtt caggagtagg tactactcct ggtgcgggct catccaatga 240
 tgcaaatact tctttattta ctgttaaagg cgttcgctcg acattaaact caccatcata 300
 agcggtaacg acagataacg ccacaaaact aataaaaacc aatgtgatat aaaacattct 360
 aataaatatg ttaccagc 379

<210> 1338
 <211> 388
 <212> DNA
 <213> Ctenocephalides felis

<400> 1338
 cgtgtcgacg atttgcaagt agttgggaat ttggccgcca ttagataagt atccccatcc 60
 agccagagtg gatactgctc caattggtgt atcatagctt gccagaccaa ctggtttgac 120
 atagtttgtg tataacaatat ttgatgtagt ttttagtaaa gcgatgttat tgtggtatgt 180
 gttctggtta aattggttat gaacgattat ttgggcaact ttgtatccta ctccgccagc 240
 attcaaagtg ttggttccaa cgacgagaag aatatcattt ggatatttat ttaacacgca 300
 agtagcagca gtaagaatcc aacgattgct gatgatggca ccaccacaga agtgtccttg 360
 gttggttctc aaagacacca taaaaggt 388

<210> 1339
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>

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 <223> n = unknown

<220>
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 <222> (62)..(63)
 <223> n = unknown

<220>
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 <222> (421)..(421)
 <223> n = unknown

<400> 1339
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 gnntgcaaaa gtgaaaacgt tttttccgat cgaagagatt gtaaaaaata ttatcaatgt 120
 ttcttggtta acaacaaatg gcaaataaaa cattatgatt gtccaaatgg cttgcacttt 180
 gataaaacgg agttgcatg cataccacg ccaccggcg aagaatgcaa aagtgaagatt 240
 gctaagtaag gcttaaacca ggaaaacaat cttgaataga ctaattagga ttcaaattat 300
 cataaagtag tcaattaata taataaatac acaaatgatc tgtgcaatta aatataaaaa 360
 atatgtataa aaattaaaat gtataaaatt gtattttatg taagaagcac aaacaaaatg 420
 ncattaacta tagtaatttc tgattattta aaatatataa atatagaagc tttatgaaat 480
 taaaaaaaaa aaaaaaaaaa 498

<210> 1340
 <211> 273
 <212> DNA
 <213> Ctenocephalides felis

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 <222> (46)..(46)
 <223> n = unknown

<220>
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 <222> (185)..(186)
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<220>
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 <222> (192)..(192)
 <223> n = unknown

<220>
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 <222> (273)..(273)
 <223> n = unknown

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<400> 1340
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actgttgagc aacatatattt tatagataag agtagatgta ataattcatt ttaagaattg      120
agttactaga attattctat tatgctgtat tatatgttaa tataactata ttaaaagaaa      180
aattnttttt tnaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aan                                     273

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<210> 1341
<211> 372
<212> DNA
<213> Ctenocephalides felis

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<400> 1341
aaaatccatt taatgaacat catgaacacc atgtaggcaa agagaagaac taagaagacc      60
aattggggca agaattctac taatatgctg atcttctggc ggaaatgaac gtgattgaaa      120
acggccatgc aaactccaaa aatcatgtga acgacgccga aaatgataga caacttcatt      180
ttgaaggagt tcaagaaaat aattttgttg gtagccagct gccacattgg atctaaacca      240
ataggatatg cttctccagc atctgttttt gggccaagag ttaattcttc attctccatc      300
acagtggatg aattataatt taatgtccat ccagaaccaa aaatgttcat ggataaggag      360
aaaatatcgt tg                                                         372

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<210> 1342
<211> 500
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (50)..(50)
<223> n = unknown

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<223> n = unknown

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<220>
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<222> (114)..(114)
<223> n = unknown

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<220>
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<222> (171)..(171)
<223> n = unknown

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<220>
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 <222> (236)..(236)
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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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<220>
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 <222> (486)..(486)
 <223> n = unknown

<220>
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 <222> (490)..(491)
 <223> n = unknown

<220>
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 <222> (497)..(497)
 <223> n = unknown

<400> 1342
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 agaaattact atagttaatg acattttgtt tgtgctcctt acataaaata caantttata 120
 cattttaatt tttatacata ttttttata ttaattgcac agatcatttg ngatatttatt 180
 atattaattg actactttat gataatttga atcctaatta gtctattcaa gattgntttc 240

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ctgggtttaag ccttacttag caatctcact tttgcattct tcgccgggtg gcgnggggtat 300
gcatcgcaac tccgttttat caaaggcaag ccatttggca atcataatgg tttatttgcc 360
attggtggta accaagaaac attgataata tttttacaat ctcttcgacg gaaaaacggt 420
tcacttttgg atgcagtttg cacnanaana tttnggtnaa acatcgtgcg gccgggttaa 480
atttanaacn ngccggnggc 500
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<210> 1343
<211> 486
<212> DNA
<213> Ctenocephalides felis
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<222> (44)..(44)
<223> n = unknown
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<221> misc_feature
<222> (52)..(52)
<223> n = unknown
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<222> (120)..(120)
<223> n = unknown
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<220>
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<222> (128)..(128)
<223> n = unknown
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<222> (130)..(130)
<223> n = unknown
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<222> (199)..(199)
<223> n = unknown
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<222> (331)..(331)
<223> n = unknown
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<222> (367)..(367)
<223> n = unknown
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<220>
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<221> misc_feature
 <222> (374)..(374)
 <223> n = unknown

<220>
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 <222> (405)..(405)
 <223> n = unknown

<220>
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 <222> (408)..(408)
 <223> n = unknown

<400> 1343
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 ttcataaagc ttctatattt atatatttta aataatcaga aattactata gttaatgacn 120
 ttttgttngn gctccttaca taaaatacaa ttttatacat ttttaattttt atacatattt 180
 tttatattta attgcacana tcatttgggt atttattata ttaattgact actttatgat 240
 aatttgaatc ctaattagtc tattcaagat tgttttcctg gtttaagcct tacttagcaa 300
 tctcactttt gcattcttcg cgggggggcg ngggtatgca tcgcaactcc gttttatcaa 360
 agtgcangcc attnggacaa tcataatggt ttatttgcca tttgntgnta accaagaaac 420
 attgataata ttttttataa tctcttccat cggaaaaaac gtttcacttt tgcatgcagt 480
 ctgccg 486

<210> 1344
 <211> 0
 <212> DNA
 <213> Ctenocephalides felis

<400> 1344
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<210> 1345
 <211> 174
 <212> DNA
 <213> Ctenocephalides felis

<400> 1345
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 caggattcct taaccggatc tgctcctatt tccggacaat actgcatttc gggatgaactg 120
 cacgaattca cgcaactaaa ttttactttt ttacattttt gctcgggttt cggt 174

<210> 1346
 <211> 360
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (104)..(104)
 <223> n = unknown

<220>
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 <222> (287)..(287)
 <223> n = unknown

<400> 1346
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 acatatTTTTT agaatgatca tatacatagt taggtgggca ttcnaaaacc tggcctttac 120
 catcttttgca gaataagtat cttgtgcaag tcttttcggat ctggctgata tcctacaacc 180
 gcgcatgtag tttctgccgt cttacagttt tccccagggt ttgatgagca catatcatct 240
 acacaaaatg gagcatcgga atttgagtct ctgcaattga ttggtgnaat tggggtttct 300
 tgccagcgca caacttcaaa gtagaacaat cgtgacaaaa tgttccaact gcttattagt 360

<210> 1347
 <211> 406
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (28)..(28)
 <223> n = unknown

<220>
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 <222> (63)..(63)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
 <221> misc_feature
 <222> (98)..(98)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (129)..(129)
 <223> n = unknown

<220>
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<222> (302)..(302)

<223> n = unknown

<220>

<221> misc_feature

<222> (377)..(377)

<223> n = unknown

<400> 1347

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gtnrngatga aattgtatat catttcttca tatcttanat ctcatTTtga ggtaaattat 120

tgaaacacna tttataaaaa agggataggg atggaaatag aatatgaatt cgacaatatt 180

aattagtaga agtaaataat tatttatata ctactaatac catatagttt gattttgaat 240

gtatacttgt tgtgggcatt tcaataataa aaaacgataa aaaatgaaat aattatacag 300

tntttatgaa tgagcttaaa aaaattgcta ttaacgatcc ataatttttg cttcaaatga 360

gccacaaat aaagcanatg gacattagca aatatatctc aaaaag 406

<210> 1348

<211> 417

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (56)..(56)

<223> n = unknown

<220>

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<222> (147)..(150)

<223> n = unknown

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<222> (284)..(284)

<223> n = unknown

<400> 1348

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aaagatattg tattttaatt ttaatttata ttgatcacaa attaataact cgttacattg 120

taataatact aaacaatcta tttacannnn aaaacactcc tttcgcaaac ttttaattctc 180

cttcttgatg cgtgtggatg tcattctgta aataatggag tccctgccag ggtccattgt 240

ggagatcgag atacagatag caagtaacga gaagaaaaag gctnctccga accataaaat 300

gatgttaaaa accaccgggt aggagtcggt gtattcttta gctaggttga aatcggggttc 360

ttttggagca tcatctgctt gccttgctta cgtgttaaga cgtcattaga gggtagt 417

<210> 1349
 <211> 376
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (12)..(12)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (32)..(32)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (66)..(66)
 <223> n = unknown

<400> 1349
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 actatngaac atatatatat aaatataggt taaatattgt aaattttatt taagtcttca 120
 aaccgaccct acatgtcccc ttgaaatfff acttccccgt gtagaaaaat gtcttttcga 180
 tatattgggtg tatatcttga tgtattctag tttattataa tttgttgcaa gtttgttggt 240
 caaaatgata ataatacata tgatacacia taataggata atgattaaca atacaaaaaa 300
 ccatattatg tagtgtgtat tatttgaaac atgtaaataa aaacattcca cacaaaaaaa 360
 aaaaaaaaaa aaaaaa 376

<210> 1350
 <211> 445
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (58)..(58)
 <223> n = unknown

<400> 1350
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 ctgtattttt tttttcttaa aaaaaataac caatatctac aattgtcttt gacacaatat 120

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attaataaca gacactaaca tagtatttga aataacatag tattaatatt tgtattaagg	180
caactcaatac tataggaata cttggaacgc gcatttgctaa attcctcgct tatccaaaat	240
acgtataaat acttattatc aattataggg gcatattgct aaatgactta aaatcaataa	300
aaagcgaatc tcgcgtataa aaaaatgcc aatcatatc tcaactgtgtg taaaaatatt	360
aaaaatttga tcacgatgat ttgtctgatc acaacttatg ctagactcac aatatgtgaa	420
ttaaacaatga gctctcttat atttg	445

<210> 1351
 <211> 229
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (217)..(217n = unknown)

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aatgggggtgt tcttgggggtc tggcaacatt ccacgagcgg tgatcatagaa tccaaagtat	180
gctgcacggt agatgatgat accttgaaca gatactncaa aaccacggt	229

<210> 1352
 <211> 457
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (65)..(65)
 <223> n = unknown

<220>
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 <222> (407)..(407)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <223> n = unknown

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 <222> (420)..(420)
 <223> n = unknown

<220>
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 <222> (422)..(424)
 <223> n = unknown

<220>
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 <222> (426)..(426)
 <223> n = unknown

<220>
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 <222> (429)..(429)
 <223> n = unknown

<220>
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 <222> (433)..(434)
 <223> n = unknown

<400> 1352
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 atttaatatatt aaatagatta attaaaaatc tataaagtga taagaggcct gatattccata 180
 atattattga atattaagaa gtgacggata gatctgataa tgtagtagtt gttatagaca 240
 atttacttaa taattatgag ttgcatcatt acgcaatgat ttatcactat tattttattca 300
 acattttatt taactgcttg caacttttta taaaacgcat tttttattgt ttttaagtata 360
 aatcttatta gggcacaata tgaaaataaa aataagaact ttatcanann annaaatttn 420
 annntnttnc cttnnaaaaa aaaaaaaaaa aaaaaaa 457

<210> 1353
 <211> 406
 <212> DNA
 <213> Ctenocephalides felis

<400> 1353
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 ttaattttca tgtcgatggt ttagaaaatg attcagtagc aacttctgaa ttttctttgt 120

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aattgataat acttttctcaa agtataattg catttcacaa cacacgacgg aaatatgggtt	180
atgggtccata tgaagcaatg ctcgttcttc tatccacttg cttctgataa atgttcggta	240
taaagaatgc aatcactcca catgctatca gagatgttcc tgatattaaa aatgttaa	300
cgcaattata atctagaatt attcctacaa cattgcttca acaacacttc ctaatcgacc	360
catcattaaa gatatacata ctgccattgc cctgagttgt gtaggg	406

<210> 1354
 <211> 455
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (45)..(45)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (191)..(191)
 <223> n = unknown

<220>
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 <222> (399)..(399)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (425)..(425)
 <223> n = unknown

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aatggaatt agcttggatt ctcacacgtg agcaaaaccc atcatcgga ttgatgaaag	120
aaattaagac atatgtggaa aacaatacac ccatagattt gagcaaacta aaacacaccg	180
agcaaaattg nggaaaggat tattgaagat aattgctgta tataaagtca ttttaagaca	240
cagctttatc aaaacaacaa caacatatgt ttaagaataa ctaaatatat tatacttaat	300
acttagcttt tcttggcaat actatatgaa actattggca taagtgcatt aatattttta	360
taatagattt gctttctata ttcaatatat ataatatgna ttaataataa attcttctat	420
caagntttta aaaaaaaaaa aaaaaaaaaa aaaaa	455

<210> 1355
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 <222> (230)..(230)
 <223> n = unknown

<220>
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 <222> (421)..(421)
 <223> n = unknown

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 gtactgntct tgtcgcaaac acatctaaca tgctgtcgc cgctcgtgaa gcttcattta 120
 caccggtatc actctcagtg aatacttccg tgatatgggt tacaacgtat ctatgatggc 180
 tgattccact tctcgttggg ctgaagcttt gagagaaatt tcaggtccgn ttggctgaaa 240
 tgctgcccga ttccggttat ccagcgtact tgggagctag gttggcctct ttctacgaac 300
 gtgctggccg tgtaaaatgt ttgggtaatc ctgaacgtga aggctcagta tcaattgtag 360
 gagctgtatc accgccggtg gtgacttctc agatccgcac ttcagctaca ttgggtattg 420
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<210> 1356
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<220>
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<220>
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 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
 aaactttggg ctctgtcttt cctgcattct tgaaacattc gnttcttagt tctggaagtt 240

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<210> 1357
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<220>
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 <222> (302)..(302)
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 atacatttta atttttatac atatttttta tatttaattg cacanatcat ttgtgtattt 180
 attatattaa ttgactactt tatgataatt tgaatcctaa ttagtctatt caagattggg 240
 ttcttggttt aagccttact tagcaatctc acttttgcac tcttcgccgg gtggcggtggg 300
 tntgcacgc aactccgctt tatcaaagtg caagccattt ggacaatcat aatgttttat 360

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ttgccatttg ttgttaacca agaaacattg ataatatattt ttacaatctc ttcgatcgga      420
aaaaacgttt cacttttgca tgcagttctg caccagaaaag attttgggtc aaaccattcg      480
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<210> 1358
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<220>
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<220>
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<220>
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agaaattact atagttaatg acattttggt tngnctcctt acataaaaata canntttata      120

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FC-8-C3.ST25.txt

cattttaatt tttatacata ttttttatat ttaattgcac agatcatttg ngatatttatt	180
atattaattg actactttat gataatttga atcctaatta gtctattcaa gattgntttc	240
ctggnttaag ccttacttag caatctcact tttgcattct tcgccgggtg gcgtgggtat	300
gcacgcgaac tccgntttat caaagtgcaa gccatttggc aatcataatg ntttatttgc	360
catttggtgn taaccaagaa acattgataa ttttttttac aatctcttc	409

<210> 1359
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acaaatgtcg ttaattacta attcaaagtt tcatacgata tgtcatatgc taattttaga	180
tttattatca taaataaatt tattatttaa atcatattag agggaaaaaa aatattttct	240
caattctctc cttcaaaact tctttgcact tctccggctc catacagttt taataccact	300
tttttcacaa aattcaacat ttttgtaaaa tccattgtga aaattcattt ggctggttat	360
taaaagacat catcccttcg gaatctgtta tataccccaa accagcactc ttcaaatac	420
aaaatccttt ttcaagttaa cctcgaacgt taccatatt tggaaggtcc ttttggattc	480
aacattgaat tgggttcgat	500

<210> 1360
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<220>
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 <223> n = unknown

<220>
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 <223> n = unknown

<400> 1360

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acgcagcatt aacaagggttc ttgcaattca gcataatgac cagaagaaaa atacaggt 118

<210> 1361
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 <212> DNA
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<220>
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<222> (467)..(468)

<223> n = unknown

<400> 1361

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atttaatat attagatta attaaaaatc tatnaagtga taagaggcct gatatccata      180
atattattga atattaagaa gtgacggnta gatctgataa tgnagtagtt ggtatagaca      240
ncttacttaa taattatgag ttgcatcatt atgcaatgat ttatcactat tttttattca      300
acattttatt taactgcttg caacttttaa taaaacgcn ntttattgnt ttaagnataa      360
atcttattag ggcacaatat gaaaataaaa ataagaactt tattcaaaag ctttttttat      420
acaatatgct tcttgcgctt taagntaaga aatttattta tgcttgnnaa aaacaataaa      480
tgctttatta ttaaaaaaaa                                     500
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<210> 1362

<211> 287

<212> DNA

<213> Ctenocephalides felis

<400> 1362

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aatatgtat agataaaaga taaagattgt aaaaagtttg agaaacactg tttggatggt      120
gaaacgaaat atagaaaaca caaaagttaa aatatatata tactcagccc caaataatat      180
aatttaaaat tatggttaag tttgtttagt agctcagtg taatagcatt agccttgcaa      240
ccagaattgc agattccatt ccttcattaa acctgatatc gagcagt                      287
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<210> 1363
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 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (32)..(32)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (130)..(130)
 <223> n = unknown

<400> 1363
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 ccacttcatt aacacctttg ttctaggtat gttatatacc tctggtttgg ctagtcttag 120
 aacgcattgn ttgtgtgagg ctttagt 147

<210> 1364
 <211> 0
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 <213> Ctenocephalides felis

<400> 1364
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<210> 1365
 <211> 420
 <212> DNA
 <213> Ctenocephalides felis

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<220>
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 <222> (267)..(267)
 <223> n = unknown

<220>
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 <222> (295)..(295)
 <223> n = unknown

<400> 1365
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 aaaagaattg ggatttgtgc atttcatgac ggtgcaatca gcttctgacg atttcttttt 120
 acacatattt ttagaatgat catatacata gttaggnggg cattcgaaaa cctgaccttt 180

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accatctttg  cagaataagt  atcttgtgca  gctttcggat  ctgggtgata  tcctacaacc      240
gcgcacgttag  tttctgccgc  ttacagnttt  ccccagggtt  tgatgagcac  atatnatcta      300
cacaaaatgg  agcatcggaa  tttgagtctc  tgcaattgat  tgttgtaatt  ggggttttctt     360
gtcagcgcac  aacttcaaag  tagaacaatc  gtgacaaaat  gttcccaact  gcttattagt      420

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<210> 1366
<211> 250
<212> DNA
<213> Ctenocephalides felis

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<400> 1366
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aacagtcttc  ttgtgataat  ttcttgacgg  ccgtatctgt  agactttgat  acaccttttt     120
tcggtaagct  ccagaacacc  tgatccctgc  cgaatacgtg  agcttcagtt  agcgtttccg     180
gtaacttttg  gtgtaaagtt  tcggcaagaa  cattccggaa  gtcgcgcca  ccatcatcat      240
tacggaaagt                                     250

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<210> 1367
<211> 387
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (38)..(38)
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<400> 1367
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ttttgggcaa  agttcaagtt  ttctgctcca  gctaagaatt  tgttggtggc  aacttctttg     180
aaggtgggtt  ttaatgtata  gccttccata  acataaaactt  tattggcaat  ttccagagtt     240
acaccttttt  gtgtattaag  agtggtcatc  aatgcgtggg  agtcatcttg  aattttttct     300
tttgattgag  gctgacgtaa  accagcagct  atttgtgtgg  cagtattacc  accagctccc     360
attgacacca  gggatagaac  agtttgtt                                     387

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<210> 1368
<211> 448
<212> DNA
<213> Ctenocephalides felis

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<220>
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 <222> (53)..(53)
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<220>
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 <223> n = unknown

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<220>
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 <222> (238)..(238)
 <223> n = unknown

<220>
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 <222> (310)..(310)
 <223> n = unknown

<220>
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 <222> (341)..(341)
 <223> n = unknown

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 cattaatant tcatacacac acacacacat tacttgtctt ttcaattcca atttgttctt 180
 attctcgtcc ttgttcaaatt gtcgatgttc aatgttgat taagcattct attgtgantt 240
 tagtattgga tttcttaaca tttaaagcagc ttctgatgat attattggca acgcattgac 300
 acaatgatan tttattaaat gtgaaatact ttcaaacatt ntatctctgg tgtcgaacca 360
 ctcttttagg atcaataagt aataaatgct tcttattaac tccttgaata ccagtcagca 420
 catattgcca ggacttgctc gtgactct 448

<210> 1369
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 <212> DNA
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<220>
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 <222> (58)..(58)
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 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (412)..(412)
 <223> n = unknown

<220>
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 <222> (489)..(489)
 <223> n = unknown

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 tttaatatatta aatagattaa ttaaaaatct ataaagtgat aagaggcctg atatccataa 180
 tattattgaa tattaagaag tgacggatag atctgataat gtagtagttg ttatagacaa 240
 ttactttaat aattatgagt tgcattcatta tgcaatgatt tatcactatt atttattcaa 300
 cattttatttt aactgcttgc aacttttaatt aaaacgcatt ttttattgnt ttaagtataa 360
 atctttattag ggcacaatat gaaaataaaa ataagaactt tatcaaaaagc tntttttatac 420
 aatatgcttc ttgcgctatt aagtaaagaa attttattta tgcttgtaaa aaacaataaa 480
 tgcttattnt ttaaaaaa 498

<210> 1370
 <211> 405
 <212> DNA
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<220>
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 <222> (194)..(194)
 <223> n = unknown

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 <223> n = unknown

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 nntttgggca tggagggttaa aagtaattga cgtttgaatg gaaaaaatgg gtctttgtat 180
 atatggaaact tganttttat gttttgtgac ctaaaaaaga aatcttcctg agagaatcaa 240
 tttcttcttt gctccacaaa tgtaacacac atacacacag ggtctgttca aacatcgggga 300
 aatatatgac tatatatatt ctatcatttt catacctttt atactaaaca tttatatattg 360
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<210> 1371
 <211> 311
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (66)..(66)
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<400> 1371
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 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgcctttg gattcataca 180
 aactttgggc ttcgctttcc tgcattcttg aaacattcgt ttcttagttc tggaagtttt 240
 tgaacgttac aacccgattt ctgcgaacac attttttctc ggtagtcga gtcacaactt 300
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<210> 1372
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 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (65)..(65)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (237)..(237)
 <223> n = unknown

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 atatcaggaa catctctgat agcatgtgga gtgattgcat tctttataacc gaacatttat 180
 cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttncgt 240
 cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcgattacaa agaaaattca 300
 gaagttgcta ctgaatcatt ttctaaaaca tcgacatgaa aattaataac tctttattgt 360
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<210> 1373
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<220>
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 aaatatgtat agataaaaga taaagattgt aaaaagtttg agaaacactg tttggatggt 120
 gaaacgaaat atagaaaaca caaaagttaa aatatatata tactcagccc caaataatat 180
 aatttaaaat tatggttaag tttgtttagt agctcagtgg taatagcatt agccttgcaa 240
 ccagaattgc agattcatc cctcattaaa cctgatatca agcagt 286

<210> 1374
 <211> 378
 <212> DNA
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<220>
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 <222> (35)..(35)
 <223> n = unknown

<220>
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 <222> (284)..(284)
 <223> n = unknown

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 tactatagga atacttggaa cgcgcattgc taaattcctc gcttatccaa aatacgtata 180
 aatacttatt atcaattata ggggcatatt gctaaatgac ttaaaatcaa taaaaagcga 240
 atctcgcgta taaaaaatg ccatcatcat atctcactgt gtgnaaaaat attaaaaatt 300
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 tgagctctct tatatttg 378

<210> 1375
 <211> 421
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (228)..(228)
 <223> n = unknown

<220>
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 <222> (366)..(366)
 <223> n = unknown

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 tacacatatt tttagaatga tcatatacat agttaggtgg gcattcgaaa acctgacctt 180
 taccatcttt gcagaataag tatctttgtg cagtctttcg gatctggntg atatcctaca 240
 accgcgcgatg tagtttctgc cgtcttacag ttttccccag gttttgatga gcacatatca 300
 tctacacaaa atggagcatc ggaatttgag tctctgcaat tgattgttgt aattgggggtt 360
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421

<210> 1376
 <211> 367
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (57)..(57)
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<220>
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 <223> n = unknown

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 <223> n = unknown

<400> 1376
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 atgatggacg tgatttcata tatccctaaa ctttggatca gagtttgaga gaagcctagc 180
 catagtgtat agaaaattat gtgtaggtgt ataattaaga ttgtcaggag tcaaatatat 240
 aaagcattga tacaaattat acattccant tttctgtaaa ccgngttcct tggtgattat 300
 ggnttatatc acannttatg aatcatgtaa attaattgta aatttgaaat gtatctccgt 360
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<210> 1377
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 <212> DNA
 <213> Ctenocephalides felis

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<400> 1377
ataagtcatt tgaataaag cttttctgta gtggtgtctt cctggatggt cgacaagcat      60
tcgataaggt ttggcaccca ggacttttat ataaaataaa agcatatctt ctttcaagga      120
tttttcaagt aaaagtaaat caagtaacat ctgatttcca caaaataatg tcgggaggtc      180
cacaaggtag tatttttggga cttttcttat atgttttata cacaaaggac ctcccattac      240
ttgaaaatct gacacttgct acattcgctg gcgatattgc cataactaagt agtaatcaca      300
gtactgatca agcttcccgga caaacgcaag aacatatcaa taaactacaa atgtggctta      360
ctaaatggaa gatttgcata aatgaaacca aatcagttca tatcacattt accctgagag      420
agggt                                           425

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<210> 1378
<211> 384
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (138)..(138)
<223> n = unknown

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<400> 1378
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cttgctatct gtatctcnat ctccacaatg gaccctggca gggactccat tatttacaga      180
atgacatcca cagcatcaa gaaggagaat taaagtttgc gaaaggagtg tttttaattg      240
taaatagatt gtttagtatt attacaatgt aacgagttat taatttgtga tcaatataaa      300
ttaaaattaa aatacaatat ctttggtgaa atcgaattat tggtctatta tattttgttt      360
tacattccta gtattaccga attg                                           384

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<210> 1379
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (61)..(61)
<223> n = unknown

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<220>
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<222> (87)..(87)
 <223> n = unknown

<220>
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 <222> (119)..(119)
 <223> n = unknown

<220>
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 <222> (308)..(308)
 <223> n = unknown

<220>
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 <222> (313)..(313)
 <223> n = unknown

<220>
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 <222> (346)..(346)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (434)..(434)
 <223> n = unknown

<400> 1379
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 ngtgcaaaag tgaaaacggt ttttcnctc gaagagattg taaaaaatat tatcaatgnt 120
 tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgtactttg 180
 ataaaacgga gttgcgatgc ataccacgc caccggcga agaatgcaaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtngt canttaatat aataaataca caaatgatct gtgcanttaa atataaaaaa 360
 tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgc 420
 attaactata gtantttctg attatttaaa atatataaat atagaagctt atgaaatcaa 480
 aaaaaaaaaa aaaaaaaaaa 498

<210> 1380
 <211> 422
 <212> DNA
 <213> Ctenocephalides felis

<400> 1380
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 aaagaattgg gatttgtgca tttcatgacg gtgcaatcag cttctgacga tttcttttta 120
 cacatatttt tagaatgatc atatacatag ttaggtgggc attcgaaaac ctgaccttta 180

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ccatctttgc agaataagta tcttgtgcag tctttcggat ctggctgata tcctacaacc 240
gcgcattgtag tttctgccgt cttacagttt tccccagggt ttgatgagca catatcatct 300
acacaaaatg gagcatcgga atttgagtct ctgcaattga ttgttgtaat tgggggtttct 360
tgtccagtgc acaacttcaa agtagaacia tcgtgacaaa atgttcccaa ctgcttatta 420
gt 422
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<210> 1381
<211> 268
<212> DNA
<213> Ctenocephalides felis
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<220>
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<222> (30)..(30)
<223> n = unknown

<400> 1381
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tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaattcccg 120
catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180
attatgggaa atccaatcgc atatccagct tcaacattaa agaatgcata aatgcctggt 240
cttcatttgt gtctttacac tcggtcgt 268
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<210> 1382
<211> 498
<212> DNA
<213> Ctenocephalides felis
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<220>
<221> misc_feature
<222> (90)..(90)
<223> n = unknown
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<220>
<221> misc_feature
<222> (326)..(326)
<223> n = unknown
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<220>
<221> misc_feature
<222> (373)..(373)
<223> n = unknown
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<220>
<221> misc_feature
<222> (385)..(385)
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<223> n = unknown

<400> 1382

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tgaatgatta aatgtaatag attaatcaan ttttagatga ttaaaattgt tctattacta     120
caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat     180
agattttgaa taataacata gaaattatac tctttttttg atgactctaa taaaaaaaaat    240
gtataaatgg ccatgcctga tatatttttg ataaccttaa tgaaaaaatg tttaaatggc     300
catgtctgaa aagatttcta tgtgtntttt ttgtttaaca ttttattggt gaatggataa     360
aagataaata ccntttataa gctgnttgga taaattaatt ttgaataaat ccataatcat     420
agaatatggt aagtagcaaa ttaaaatatg gcccaaacca caaaatgtat acgaaatata     480
acttatatga tattaataa                                     498
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<210> 1383

<211> 230

<212> DNA

<213> *Ctenocephalides felis*

<400> 1383

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acacaatcga tgatgaaagg ctgcgcaagg agttcacacc gtttgggtaca atcacatccg    120
caaaggatgat gactgaggat ggaagaagca aaggatttgg atttgtttgc ttctcttctc    180
ctgaagaagc taaaaggca gtcactgaga tgaatggacg cattgtgggt                230
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<210> 1384

<211> 460

<212> DNA

<213> *Ctenocephalides felis*

<220>

<221> misc_feature

<222> (53)..(54)

<223> n = unknown

<220>

<221> misc_feature

<222> (174)..(174)

<223> n = unknown

<220>

<221> misc_feature

<222> (191)..(191)

<223> n = unknown

<220>

<221> misc_feature
 <222> (303)..(303)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (335)..(335)
 <223> n = unknown

<400> 1384
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 tgattaaaat tgttctatta ctacaatagc aacctctgcc tgaaaattaa ccgaacaaac 120
 ttctaacatc cttattaatg tatagatttt gaataataac atagaaatta tctntttttt 180
 tgggtgactct nataaaaaaa atgtataaat ggccatgcct gatataatttt tgataacctt 240
 aatgaaaaaa tgtttaaatg gccatgtctg aaaagatttc tatgtgtatt tttttgttaa 300
 cantttattg ttgaatggat aaaagataaa tacnntttat aagctgtttg gataaattaa 360
 ttttgaataa atccataatc atagaatatg ttaagtagca aattaaaata tggccacaaa 420
 cccaaaagta tacgaaatat aacttatatg atatatgaaa 460

<210> 1385
 <211> 460
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (57)..(58)
 <223> n = unknown

<220>
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 <222> (115)..(115)
 <223> n = unknown

<220>
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 <222> (133)..(133)
 <223> n = unknown

<220>
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 <222> (160)..(160)
 <223> n = unknown

<220>
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 <222> (274)..(274)
 <223> n = unknown

<220>

<221> misc_feature
 <222> (310)..(310)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (314)..(314)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (344)..(344)
 <223> n = unknown

<220>
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 <222> (450)..(450)
 <223> n = unknown

<400> 1385
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 ttaattgatg tcgaccctac gttgtcgcaa tgtttactaa ctttcaaatt cttgnaactt 120
 ttaaactggt tgnttaattt aaatgaaata tttggcaaan ttgttcaaaa ttaaatagtc 180
 tataactttt tctaacatcc taagtcatag agcaactcgg tatctgaaaa attaataatt 240
 ttaaattgat gtcgacacta cgttgtcgca atgnttatta actttaaaat tcttgtaact 300
 tttgaatggn ttgnttaatt tgaatgaaat atttggcaaa ttgnttgaaa ttaaataatt 360
 tacaactttg tctaacatct taagtcatag agcaactcgg tatactcata aataataatt 420
 tctgatggtt tcttgaaga ttacttgtcn tggtgaaagt 460

<210> 1386
 <211> 425
 <212> DNA
 <213> Ctenocephalides felis

<400> 1386
 ataagtcatt tgaaaataag catttctgta gtggtgtctt cctggatggt cgacaagcat 60
 tcgataagggt ttggcaccca ggacttttat ataaaataaa agcatatctt ccttcaagga 120
 tttttcaagt aaaagtaaata caagtaacat ctgatttcca caaaataatg tcaggagtgc 180
 cacaaggtag tatttttggga cttttcttat atgttttata cacaaaggac ctcccattac 240
 ttgaaaatct gacacttgct acattcgctg acgatattgc cataactaagt agtaatcaca 300
 gtgctgatca agcttcccga caaacgcaag aacatatcaa taaactacaa atgtgggcttg 360
 ccaaattggaa gatttgcata aatgaaacca aatcagctca tatcacattt accctgagag 420
 agggt 425

<210> 1387
 <211> 118
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (70)..(70)
 <223> n = unknown

<400> 1387
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 acgcagcatn aacaagggttc ttgcaattca gcataatgac cagaagaaaa atacaggt 118

<210> 1388
 <211> 320
 <212> DNA
 <213> Ctenocephalides felis

<400> 1388
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 ttcagacgta ttgtggaaaa tgggtgttgc catgggattg aaccaaacia catatactgg 120
 ctcgattatg ctctatgtga tattctgcgt gtgggcacta ttcacaattg ccatactagt 180
 catgatggaa ggcctttctg cgttcttgca cacactgcgt cttactggg tggagttcat 240
 gagtaagttc tactctgggt tgggttattt gttccaaccc ttctgcttca aaactatttt 300
 ggacgcggag gataaggaag 320

<210> 1389
 <211> 204
 <212> DNA
 <213> Ctenocephalides felis

<400> 1389
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 gttcaatcga atccttccta aatgttattg aaactgaaga agcacctcca acctttaata 120
 gaactaacia attcactcaa gggtttccaaa acttgataga tgcctacgga gttgctagtt 180
 acagagaagt aaatccagct ctgt 204

<210> 1390
 <211> 119
 <212> DNA
 <213> Ctenocephalides felis

<220>

<221> misc_feature
 <222> (63)..(63)
 <223> n = unknown

<400> 1390
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 cangcagcat taacaagggt cttgcaattc agcataatga ccagaagaaa aatacaggt 119

<210> 1391
 <211> 457
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (43)..(43)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (45)..(45)
 <223> n = unknown

<220>
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 <222> (63)..(63)
 <223> n = unknown

<220>
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 <222> (97)..(98)
 <223> n = unknown

<220>
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 <222> (118)..(118)
 <223> n = unknown

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 <222> (299)..(299)
 <223> n = unknown

<220>
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 <222> (375)..(375)
 <223> n = unknown

<220>
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 <222> (379)..(379)
 <223> n = unknown

<400> 1391
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ggnatttcat gttttatatt atttgaatct aagtcannntt ttgaaatttc atctgcanat	120
ctacgacttt ttctaattgc agccaatgat aatgcatcaa tttgatggac atcatttttg	180
ggtgggttcaa tattagctgc tgcattctaat tctactacag acggaagatt ttctgtgcag	240
tctccaatt tttttgtgtc tctcaacctt gaattttctg taaccctcat atttgtagnt	300
tctttcaatt ttgattcact atttggttacg tccaagctta attttttatt ttttttagta	360
actttcttga ctggnttgnt gaatgggtgc tcaaagtctt tttgatttga attactattt	420
tctcttacta ttttagattc cttttgcaag attcttg	457

<210> 1392
 <211> 424
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (38)..(39)
 <223> n = unknown

<220>
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 <222> (87)..(87)
 <223> n = unknown

<220>
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 <222> (141)..(141)
 <223> n = unknown

<220>
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 <222> (261)..(261)
 <223> n = unknown

<400> 1392	
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ttttgtcaaa aacaagatca taactgntta tataatataa gaagttctta taataaaagt	120
gcagtattat ttttacatca ntttaaacad cactaaaatc aaaacctaac ctcaaaattt	180
cactaagtga aaatgttgaa gactttattt aatcaaagtg taccgacaaa acagcactaa	240
tgcctcctta gtaagtacag nttttcacia tagaaaccct agaaatttag aacgaatgag	300
gattgcttat aaacctgatg gatggcatgt agataaacct ggacgctcat tctggcacaa	360
attagagtta actgaaagct ctcgatatat aactgcacga gtgggtgcatt ggaaggaagg	420
cctg	424

<210> 1393
 <211> 462
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (16)..(16)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (36)..(36)
 <223> n = unknown

<220>
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 <222> (140)..(140)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (177)..(177)
 <223> n = unknown

<220>
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 <222> (323)..(323)
 <223> n = unknown

<220>
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 <222> (372)..(372)
 <223> n = unknown

<400> 1393
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 atatccaata cttttttaaat caacatttaa aataaatcat ttgatataat ttatgaatat 120
 ttaaaatatt cttatattn taaattacat aacggctaaa gttaaaaaaa tttaatngct 180
 ggaataaaaa ctttccgaat aacataattt ttttaaaatt tcgtttcttt tagaacaaaa 240
 actatagaat tctattttga tcgaaacctg gtaatcactt tacgtcctga atgctcatgc 300
 cattggaata aaatagaatg ctnggtataa tttatatatg attattttta taatatttgg 360
 taatatagat anttcaatat atactctttt tgaattaaat agaaataatg attatacaca 420
 tcattttttaa tatacattaa aatccgtcct cgtagtcttg ct 462

<210> 1394
 <211> 478
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (31)..(31)
 <223> n = unknown

<220>
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 <222> (63)..(63)
 <223> n = unknown

<220>
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 <222> (80)..(81)
 <223> n = unknown

<220>
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 <222> (120)..(120)
 <223> n = unknown

<220>
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 <222> (314)..(314)
 <223> n = unknown

<220>
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 <222> (347)..(347)
 <223> n = unknown

<220>
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 <222> (388)..(388)
 <223> n = unknown

<220>
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 <222> (393)..(393)
 <223> n = unknown

<220>
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 <222> (436)..(437)
 <223> n = unknown

<400> 1394
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 gcntgcaaaa gtgaaaacgn nttttccgat cgaagagatt gtaaaaaata ttatcaatgn 120
 ttcttggtta acaacaaatg gcaaataaaa cattatgatt gtccaaatgg cttgcacttt 180
 gataaaacgg agttgcatg catacccacg ccacccggcg aagaatgcaa aagtgaatt 240
 gctaagtaag gcttaaacca ggaaaacaat cttgaataga ctaattagga ttcaaattat 300
 cataaagtag tcanttaata taataaatac acaaatgatc tgtgcantta aatataaaaa 360

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atatgtataa aaattaaaat gtataaantt gtnnttttatg taaggagcac aaacaaaatg 420

tcattaacta tagtannttc tgattattta aaatatataa atatagaagc tttatgaa 478

<210> 1395

<211> 385

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (42)..(42)

<223> n = unknown

<220>

<221> misc_feature

<222> (58)..(59)

<223> n = unknown

<400> 1395

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agaaaatgat tcagtagcaa cttccgaatt ttctttgtaa ttgataatac tttctcaaag 120

tataattgca tttcacaaca cagcagcgaa atatgggtat ggtccatatg aagcaatgct 180

cgttcttcta tccacttgct tctgataaat gttcgggata aagaatgcaa tcaactccaca 240

tgctatcaga gatgttctctg atattaaaaa tgttaaactg caattataat ctagaattat 300

tctacaaca ttgcttcaac aacacttctt aatcgacca tcattaaaga tatacatact 360

gccattgccc tgagttgtgt aggggt 385

<210> 1396

<211> 377

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (60)..(60)

<223> n = unknown

<220>

<221> misc_feature

<222> (293)..(293)

<223> n = unknown

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gcaaaaagaa ctctaccaac tagtacggaa gcatgtgtgg aagttgaagc tttgaaggat 120

ggatttgatt tctgcaccaa aattacaaga gcaagatttg aagaattatg ctctgattta 180

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ttccgctcta ctttacgccc agttgaacaa gcgtaagag atgcaaagtt agacaaagga	240
gccatacatg atgttgatt ggtgggaggt tccacaagaa tacctaaaat tcnatctctg	300
ctacaagaat tctttgcagg aaagacctta aattcttcca taaatccaga tgaagctgtg	360
gcttatgggtg ctgcagt	377

<210> 1397
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (495)..(495)
 <223> n = unknown

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gtgtgttagc agaactttga atgataagat tttgggtggc agcaagactc tgtccacaca	180
tattttctccg tttatgagat gctaaatcat tactttgggc aaaagctcta ccacaaacca	240
tacaagcgta gggcttttca cctgtatgtg tcctcatatg tatagctaac ttatcagatc	300
gtgcaaatac tctgttacaa aactgcata caaatgggtt ttctcctgta tgttttctca	360
tatgcaatgt aagatctgta gttcttggat aacctttacc acagattttg caaaaatttg	420
tcatttgacc agtatgtctc cgcatatgga cggctaaatt acttcttgaa ctgcaacttt	480
taccacaaac actgnataat	500

<210> 1398
 <211> 420
 <212> DNA
 <213> Ctenocephalides felis

<400> 1398	
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gtactgctct tgtcgcaaac acatctaaca tgctgtcgc cgctcgtgaa gttcattta	120
caccggatc actctcagt aatacttccg tgatatgggt tacaacgtat ctatgatggc	180
tgattccact tctcgttggg ctgaagcttt gagagaaatt tcaggtccgt ttggctgaaa	240
tgctgccga ttccggttat ccagcgtagt tgggagctag gttggcctct ttctacgaac	300
gtgctggcgt gtaaaatgtt tgggtaatcc tgaacgtgaa ggctcagtat caattgtagg	360

agctgtatca ccgccggtgg tgactttctca gatccgtcac ttcagctaca ttgggtattg 420

<210> 1399
 <211> 323
 <212> DNA
 <213> Ctenocephalides felis

<400> 1399
 agatctacta atgccgcgtt taccactgtc acagcaattc cgcaaaccag caaccacaaa 60
 tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg 120
 catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180
 attatgggaa atccaatcgc atatccagct tccaacatta aagaatgcat aaatgcctgt 240
 tcttcattgt gtctttacac tcggtcgtac tattcgtagc atcaatgctt agggcggacg 300
 acttcattga tactacgaat agt 323

<210> 1400
 <211> 210
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (139)..(139)
 <223> n = unknown

<400> 1400
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 attattattg tgacgaaaat agtataggaa cccaatatta ttgccccgca aattttgcat 120
 atgatccgtt acgtcatant tgccggacct tggctctggg cacaaaatgc tatacagtta 180
 catgtcctgc acagcctaag gtgcttccgt 210

<210> 1401
 <211> 464
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 tttaaactgt ttgtttaatt taaatgaa at atttggcaa tttgttcaa attaaatagt 180
 ctataacttt ttctaacatc ctaagtcata gagcaactcg gtatactgaa aaattaataa 240
 ttttaaatg atgtcgacac tacgttgtcg caatgtttat taactttaaa attcctgtaa 300
 cttttgaatg gtttgtttaa tttgaatgaa atatttggca aatttgtttg aaattaataa 360
 atttacaact ttgctaacat cttaagtcca tagagcaact cggataactc ataaattaat 420
 aanttctgat tgatttctg aaagattact ttgtattggt gaag 464

<210> 1402
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 <212> DNA
 <213> Ctenocephalides felis

<400> 1402
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 gataatttaa cttcataatt attgatgcc ctttttagcta ttaattgctt cagagctacc 120
 tgcacatggt cagaaaattc ttccatgtta aaaaaaatat ggaaaactgt taatttttat 180
 gtcgtatttg tttgagtttt gttatcatat attacacgta aaacagacaa actccgtaat 240
 attatgatgg tatatttttt tataatatgc ttagattaaa tctttattaa ctaccaatta 300
 taaaagtttt gtttgttcaa caaaactttc aaaaccagtc ttgacgtctt ttaggtttta 360
 accattttaa aaaaaatata acgccattta atttaatcac tgtggatata ttaaacttta 420
 aatgcaattt attaacttac aatatacatt ttttaagactt ttgcttcact tttagtaggt 480
 atatattcac ttttacaatt 500

<210> 1403
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ccataatatt tttttatata acacataaag taaaacaaag t                               161

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cgttattttat atttatattgt ttatacagaa agcnctgttg tatgaaaagt atctgaaanc      60
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cattaaaatt attttgttct ttctgttaga tgaattgtgt gttanatctt gtgctgtgat	180
ttacatacaa ttttaatacag attgaaatgc aatctataaa agcattatctt caataatcat	240
tatatagtaa ttttgatttt gactatttgc agataaattc attacatttt aaaatgttta	300
ctttattaag ctatacaaac cttgaacttt acacttttga tttctagaac ataagtatta	360
aataaattgn taaaaatatt tgnggctaga ttttcctatt gntaattgng tg	412

<210> 1405
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 <223> n = unknown

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ctatatcctt atctatctat ctattaggtc aaccaataaa attaagcgtt aatgaataa	120
ttttgattag aacaaatatn ttcatggatt taaaaaaatc taaattggaa aattcttaaa	180
tgccctatca tatttgcgag cctgtgttca accataatat ttttttatnt nacacataaa	240
gtaaaacaaa g	251

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tcttaatcca acatcgaggt cgcaatctat tttgccgata tggtctctta aaaataatta 180
cgctgttata ccttaagtaa cttaatcttt taatcataat ttatggatca attattcaat 240
tatttatggt ttaataaaaa aaaagtttta taaattttcc tatcaccca ataaaatata 300
ttaatatata taaaaaaaaa aaaaaaaaaag cttgcacaaa aaaaaaaaaa 350

<210> 1407
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<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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catttttttat cgcnnntttat tattgaaatg cccacaacan gtatacatntc aaaatcaaac 180

tatatggtat tagtagtata taaataatta tttacttcta ctaattaata ttgncgaatt 240

catattctat ttccatccct atcccttttt tataaatcgt gtttcaataa tttacctcaa 300

aatgagatct aaaatatgaa gaaatgatat acannttcat ctatacttat atttttaaag 360

tgcacantta ataataaaaa gattatttta ctctcgttct tgagaattga gatttggtct 420

ttggcaatac acgtaacaat attctgactt ttcatagctt ttaatataag taaaagt 477

<210> 1408

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<212> DNA

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<223> n = unknown

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aatcagaaat tactatagtt aatgacattt tgtttggtgct ccttacataa aatacaantt 120

tatacnthtt aatthttata catattthtt atattthaatt gcacanaatca tttgngtatt 180

tattatatta attgactact ttatgataat ttgaatccta attagtctat tcaagattgt 240

tttcttggtt taagccttac ttagcaatct cacttttgca ttcttcgccg ggtggcgtgg 300

gtatgcatcg caactccgtt ttatcaaagt gcaagccatt tggacaatca taatgtttta 360

tttgccattt gntggtaacc aagaaacatt gataatattt ttacaatct cttcatcgga 420

aaaaacgttt tcaactttgca tgcagttctg ccganaaaga tttgggtaaa ccatccgttg 480

cgcgctttac atttnantcc 500

<210> 1409

<211> 425

<212> DNA
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 aaacaacact cttgtaacaa aatattatag ggagatattg aagtgaact ttaaaggtaa 180
 atagaaaaga aagcatttgg ttgaaaatga tgaaatttgt ttcaaaactt ctgaactttt 240
 ctagaaacgt tgcaaaactgt ctgaatttat tgnaaattat caatgtaact tttgcagttt 300
 tattttacgaa gtttctactcc tccgcactat tttttttttt gcaaataaat ttaagatttt 360
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<210> 1410
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 attttcaatt acgaaaatca gaaaacagtt attccaagat catggttctt gtgcccttct 180
 ttaagcttat ttcctatcct aaagtgnata ctattactac ctaaactgcg atgatatttg 240
 tgatgaatga tgttgacatg atgtccgaag acgttggcta agatgcggta taattctgtc 300
 ctggcatcat cgttcccttt cctggnaatc ttacttggtt cccaatcttc agcacgggag 360
 cctaacgtgg agcagcttcc gagccanttt ttaaagaccc ttacagggcc ggtgttttta 420
 gtg 423

<210> 1411
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 ttataaaaga attgggattt gtgcatttca tgacggngca atcagcttct gacgatttct 120
 ttttacacat attttttagaa tgatcatata catagttagg ngggcattcg aaaacctgac 180
 cttttaccatc tttgcagaat aagtatcttg tgcagctttc ggatctggct gatatacctac 240
 aaccgcgcac gtagtttctg ccgcttacag ttttccccag gttttgatga gcacatatca 300
 tctacacaaa atggagcatc ggaatttgag tctctgcaat tgattgggtgn aattgggggt 360
 tcttgtncac gccaaattca aagtagaaca atcgtgacaa aatgttccaa ctgcttatta 420
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<210> 1412
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 <212> DNA
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aaattactat agttaatgac attttgtttg ngctccttac ataaaatata annttatata 180
ttttaacnnt tatacatatt ntttatattt aattgcacan atcatnnggn gtatttatta 240
tattaattga ctactttatg ataatttgaa tcctaattag tctattcaag attgcnttcc 300

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tggtttaagc cttacttagc aatctcactt ttgcnttctt cgccgggtgg cgtgggtatg	360
catcgcaact ccgttttatc aaagtgaag ccatttggac aatcataatg ttttatttgc	420
cattgnngnt aaccaagaaa cattgataat tttttttaca atntcttcca cgggaaaacg	480
cttnactttt gcatgcagtt	500

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 <211> 108
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<210> 1414
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gctgctgagt tgctccattt ccttttttagt ttcaggatca ttcattcattt tcggtaaaac 180
catgattaat aataatggca acaccatcat taaaatcata ggattgaata ggaaatcagt 240
aattttccat tgntccctta cttgaaaata tctgaatttt cctaattgtct ttaatcttaa 300
aggggatggc acttgatga cttgagatgt ttgtatgtga ttcactttgc gtgctctgaa 360
ttttccttta gaggtaattt ctactctaac aggcctatac atataatttg aggtaactgc 420
ttccaatccg taagaccaga tgggacattc ttatacaaag gngccggctt ctttcaaaac 480
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 <223> n = unknown

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 cgcactttta tactatagta accagaaaca aaaatcagag tggggtaaaa tgtaaattca 180
 tatatttttg gtgaaaatac aatcaagata taacaggcca caatattatt aaaatccgtn 240
 tttgtgacga aacctaaagt gnngtcagaa tataaaaaac aataatattt ataccttcaa 300
 atgnatgctt tgaaaaaaag cattcgaaga ttttgggttaa atattttgnt nagccacatt 360
 tatgtttgtc gtcaattaa ttatgntcct ttgcangnaa gattatgttg tagatattgc 420
 acaanattag tatattttat gtnattttta gcatattggt attttttgga aatcggacta 480
 ttgcaccana ttaataaatg 500

<210> 1416
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 cattgt 186

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 <223> n = unknown

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tccattgctt gcagattcac aacataaaac gtgatgctta tgcaaaattt cattaccacg      180
gctaacagtg ataccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa      240
gatgctgcca gagcaattcc aaaagaagct acagaggtcc aacgtcttcc tattctgtcg      300
ctggagaaac gtcctagtag atatgctggt aattctactg ccgattgata taaaaagttg      360
agaaatggat tacctccata ttgctcacgt tcaaaattaa tgtaaaatac gtcacggaac      420
atacaatcca gcaaagcaca ataagtgtag tatttctagc taaacgtaaa ctagaaaata      480
aactcatgat tccgtaaa                                         498

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<223> n = unknown

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<223> n = unknown

<220>

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<222> (409)..(409)

<223> n = unknown

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aangaagtat ggatcggtaa tagcncntt ttaagctcat tcataaatac tggataatta 120

tttcattttt tatcgcnttt attattgaaa tgcccacaac angnatncat tcaaaatcaa 180

actatatggg attagtagta tataaataat tatttacttc tactaattaa tattggcgaa 240

ttcatattct atttccatcc ctatcccttt ttataaatc gtgnttcaat aatttacctc 300

aaaatgagat ctaaaatatg aagaaatgat atacancttc atctatactt atattttaaa 360

agtgcacaat taataataaa aagattatatt tactctcgtc ttgagaatng agatttggtc 420

tttggcaata cacgtaacaa tattctgaac ttttcatagc ttttaatata agtaaaag 478

<210> 1419

<211> 480

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (25)..(25)

<223> n = unknown

<220>

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<222> (54)..(54)

<223> n = unknown

<220>

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<222> (474)..(474)

<223> n = unknown

<400> 1419

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catgcaaaaag tgaaaacggt ttttccgacg gaagagattg taaaaaatat tatcaatggt	120
tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg	180
ataaaacgga gttgcgatgc ataccacgc caccggcga agaatgcaaa agtgagattg	240
ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc	300
ataaagtagt caattaatat aataaatcac aaatgatctg tgcaattaaa tataaaaaat	360
atgtataaaa attaaaatgt ataaaattgt attttatgta aggagcacia acaaaatgtc	420
attaactata gtaatttctg atatttataa tatataaata tagaagcttt atgnccttta	480

<210> 1420

<211> 498

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (391)..(391)

<223> n = unknown

<400> 1420

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catgcaaaaag tgaaaacggt tttccgacg aagagattgt aaaaaatatt atcaatgttt	120
cttggttaac aacaaatggc aaataaaaaca ttatgattgt ccaaattggc tgcactttga	180
taaaacggag ttgcgatgca taccacgcc accggcgaa gaatgcaaaa gtgagattgc	240
taagtaaggc ttaaaccagg aaaacaatct tgaatagact aattaggatt caaattatca	300
taaagtagtc aattaatata ataaatacac aaatgatctg tgcaattaaa tataaaaaat	360
atgtataaaa attaaaatgt ataaaattgt nttttatgta aggagcacia acaaaatgtc	420
attaactata gtaatttctg attatttata atatataaat atagaagctt tatgaaaata	480
aaaaaaaaaa aaaaaaaaaa	498

<210> 1421
 <211> 311
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (53)..(53)
 <223> n = unknown

<220>
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 <222> (56)..(56)
 <223> n = unknown

<400> 1421
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 aaaatacagt tcaacaattc cttatcttat cagtgccttc taaaataaca tacataattt 120
 aaatcaaaat taaatacgag taacaaaagt agtaaacaaa tagaattagt tctaattcttc 180
 ttacacctaa aaactatttt agataaattg agtagatcgc cattttcttt taatttaata 240
 aattcttttt tatgatgtat taaatattca tatatcggtt atttaaatgt ttccggtatc 300
 ttataatttg t 311

<210> 1422
 <211> 318
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (23)..(23)
 <223> n = unknown

<220>
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 <222> (54)..(54)
 <223> n = unknown

<400> 1422
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 acaagaattg gaagctttcc cacagagtta ataatagcac ctattatggg aaatccaatc 180
 gcatatccag cttccaacat taaagaatgc ataaatgcct gttcttccat tgtgtcttta 240
 cactcgggtc tactattcgt agtatcaatg aagtcgccgc ccaagcattg atgaattttg 300

gacaacgtag catattgt

318

<210> 1423
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (58)..(58)
 <223> n = unknown

<220>
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 <222> (453)..(453)
 <223> n = unknown

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 cttgaattac ttcttattct ttggaacctc taaaagttct tccagtagtt catccatagc 180
 ttctatcaag ctagtacgat aattttcatt gttctccatg agatccaaaa cagtctgctt 240
 tctcattcca ttaacagtac gatcaaactc ctcagaatcg tgacttaaaa ctgccagaat 300
 ttctggagggc atttgagtaa gaggcaatgt catcacgcc aaaatttttag cgcacaaaacg 360
 caaatcatct gtgctatcat caaactcttg tcaggaatta tatcatttac atccaaattg 420
 ccttcgtaat ggtttctaca aatgctgctc tgnagaacct tttcaattcc tcatagtgtg 480
 gctctgaact ctggatgt 498

<210> 1424
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1424
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 ctcttataga tgctgatatg ttcagaggaa ttggatctct tagcagtttg aatctcagta 120
 gtaatggaat agtagaaatc tatccaagag ctttcgataa tttgattgac ttgagattta 180
 ttgacttgac acataatcta cttactttct tacctgacaa cgtcttccaa aataatgatc 240
 atttggatgt tattaataatt tctaacaacc cgaatctcat gaatttgcct agatttcatt 300
 caaatttgtc atcgtttacc acttatatgt ttgaagcagt aaattgcgga ttacttagct 360
 tagacaaaca tacatttgct gaaatgcctt ccatggctca actgaattta gctcagaact 420

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cgatcaaaga tttaaaatat aatattttct ggcatatgcg caatttaatc agcttagatt 480

tgagtaataa taaaatca 498

<210> 1425

<211> 269

<212> DNA

<213> Ctenocephalides felis

<400> 1425

agatctacta atgccgcggt taccactgtc acagcaattc cgcaaaccag caaccacaaa 60

tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaatcccg 120

catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180

attatgggaa atccaatcgc atatccagct tccaacatta aagaatgcat aaatgcctgt 240

tcttcattg tgtctttaca ctcggtcgt 269

<210> 1426

<211> 313

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (63)..(63)

<223> n = unknown

<400> 1426

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cgnggcatat ttacatgaa tcagagtttg cattacaatc gttaccctga tctgatttgc 120

atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180

aaactttggg ctctgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt 240

tttgaacggt acaaccgat ttctcgcaac acattttttc tcggtttagtc gagtcacaac 300

tttctttaac cgt 313

<210> 1427

<211> 206

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (37)..(39)

<223> n = unknown

<220>

<221> misc_feature
 <222> (64)..(64)
 <223> n = unknown

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 aagntcaatc gaatccttcc taaatgttat tgaaactgaa gaagcacctc caacctttaa 120
 tagaactaac aaattcactc aaggtttcca aaacttgata gatgcctacg gagttgctag 180
 ttacagagaa gtaaattccag ctctgt 206

<210> 1428
 <211> 250
 <212> DNA
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<220>
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 <222> (32)..(32)
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 <222> (67)..(67)
 <223> n = unknown

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 <223> n = unknown

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 <222> (225)..(225)
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 <222> (227)..(227)
 <223> n = unknown

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 ttgattagaa caaatatatt catggattta aaaaaatcta aattgtaaaa ttcttaaatg 180
 ctttatcata tttgcgagcc tgtgttnaac cataatnttt tttntntaa cacataaagt 240

aaaacaaagt

250

<210> 1429
 <211> 220
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (24)..(24)
 <223> n = unknown

<400> 1429
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 tacatcggag aatgggttaga attcagaaaa taatcatgca acacggtctc attattataa 120
 cattcacata aaaaatattt aaaatatgta aactagcttg catgtttatt gtaagccagt 180
 ctataatcta ttattgtttg cactttactt aaatttaagt 220

<210> 1430
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 <212> DNA
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 <222> (29)..(29)
 <223> n = unknown

<220>
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 <222> (59)..(59)
 <223> n = unknown

<220>
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 <222> (206)..(206)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (239)..(239)
 <223> n = unknown

<400> 1430
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 ataacgaatt gaccttctta gctggtgaaa taatccatat gctagatgat tcacatccta 120
 attggtggaa aggatataat caacatggag aaggtttatt tctgcaaac tttgtaactg 180
 ctgatttatc agttgaacca gaacanttta gaattgatgc taacaagaaa tctgttcant 240

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tttctgatgc tgttcaagtc aaaactatat ctcatgatga tgaaaccagt cctgaaatta      300
atgaagaaag tatagatact ttattaaatt tattacatga agcaaaccct gaagatccta      360
atgatgatac agagcaaagt ctcaacttag aagttcaagt aaataaaatg ggccctctga      420
ttgatgctga attagaaaat attgacagga aacatgctca acttacgcaa ttgagtggcg      480
attagtagaa gcacttaa                                          498

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<210> 1431
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<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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aaaaaagtaa aatttagttg cgtgaattcg tgcagttcac ccgaaatgca gtattgtccg      180
gaaataggag canatccggt taaggaatcc tgtagcccac atcaagtgtg cgctgatcaa      240
agtggatatc tacagtgcac cactaaagaa agt                                          273

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<210> 1432
<211> 406
<212> DNA
<213> Ctenocephalides felis

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<220>
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<222> (34)..(35)
<223> n = unknown

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<220>
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<222> (65)..(65)
<223> n = unknown

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<220>
<221> misc_feature
<222> (350)..(350)
<223> n = unknown

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<400> 1432
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taaantaaag tgcgTTTTta ctatttttat tttttatgta aaaatattta ataaattatt      120

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FC-8-C3.ST25.txt

aagtatTTTT ataaagatta ttgtatgttt ggattcatga gcaataagtt ctaatatagt	180
tcttaaccat acagtcacta catagcctaa atcgtccttt tgacaaaata atactttcac	240
aaacactttt cacaaaattc ttacgagtca gttttattcg aagtgtcgct gttcttacga	300
ataatatcta cattgttcgc ctttttttct tggcgcctag tataagccan atcacttggt	360
ggaattgaat ttttagtgat aacaatacga ggtttttctg cattgg	406

<210> 1433
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (30)..(30)
 <223> n = unknown

<220>
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 <222> (34)..(35)
 <223> n = unknown

<220>
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 <222> (63)..(63)
 <223> n = unknown

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ggntatgaat atgacagaac atgggtattta tcaacggctc cgtcagatca agactggggt	120
tgtgatagag aactctatgt aactaatata tttgctattg gacgtgcagg cgaagtcata	180
ggcacatttta tttttggaca attaggagat aggattggaa gaagaccagt attttactta	240
agtctcatca caatcgtcac cggaagacta attacagcat ttacttccag ttgggtttatt	300
gtttttataa cagcggcttt tcttggttca ctaacatcta catctgtttt tcaaagccct	360
ttgataattg cgatggaaat atccagaagt gaagatagag cacacattgc catgatgcag	420
tccatcgggt ggccagtgga atgattctta tgccgtactg atgtgggcga cgcgagatgg	480
tttatcttgc tttggtag	498

<210> 1434
 <211> 174
 <212> DNA
 <213> Ctenocephalides felis

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<222> (94)..(94)
<223> n = unknown

<220>
<221> misc_feature
<222> (121)..(121)
<223> n = unknown

<400> 1434
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ccgaaatgca agtattgtcc ggaaatagga gcanatccgg ttaaggaatc ctgtagccca      120
natcaagtgt gcgctgatca aagtggatat ctacagtgca ccactaaaga aagt              174

<210> 1435
<211> 204
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (31)..(32)
<223> n = unknown

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gggtcaatcga atccttccta aatggttattg aaactgaaga agcacctcca acctttaata      120
gaactaacia attcactcaa ggttttccaaa acttgataga tgcctacgga gttgctagtt      180
acagagaagt aaatccagct ctgt              204

<210> 1436
<211> 498
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (27)..(28)
<223> n = unknown

<220>
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<222> (493)..(493)
<223> n = unknown

<400> 1436
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gcatttgaaa ctatagttcc aatggaaatt cctgtctgcc tcaaacaggt tggatatgtt      120

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FC-8-C3.ST25.txt

tccattgctt gcagattcac aacataaaac gtgatgctta tgcaaaatth cattaccacg	180
gctaacagtg ataccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa	240
gatgctgcca gagcaattcc aaaagaagct acagagggtcc aacgtcttcc tattctgtcg	300
ctggagaaaac gtcttagtag atatgctggg aattctactg ccgattgata taaaaagttg	360
agaaatggat tacctccata ttgctcacgt tcaaaattaa tgtaaaatac gtcacggaca	420
tacaatccac aaagcacaat aagtgtagta tttctagcta aacgtaaact agaaaataaa	480
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<210> 1437
 <211> 457
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (350)..(350)
 <223> n = unknown

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ttttttatat ttaattgcac anacatttg tgtatttatt atattaattg actactttat	180
gataatttga atcctaatta gtctattcaa gattgttttc ctgggtttaag ccttacttag	240
caatctcact tttgcattct tcgcggttg cgtgggtatg catcgcaact ccgttttacc	300
aaagtgcagg ccatttggac aatcataatg ttttatttgc catttggtgn taaccaagaa	360
acattgataa tattttttac aatctcttcg atcggaaaaa acgttttcac ttttgcattg	420
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<210> 1438
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 <212> DNA
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<220>
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<220>
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 ttggtaaact accatttagg ttcagtcaag ttagtttttg accttaacat atctaacaaa 180
 tcaattatac catcaaattg ggcatgagac gctttgctgt tcatctctac catcattggt 240
 gaactccctt cacacaacgc ctatattgtg aacgcttttt tggccataaa ctcatgaaat 300
 atcatgggac aaccaacgta ttcactanat ctatccttct gtaaattatt tattgcatgg 360
 atacttaagt atagaattac aagtaatact attgttagat acctctttgg atcgatagat 420
 tccactaaca atgtttgtaa gaaaaaacg ccaaaggagc tgaagaatat cttataaag 480
 gcgttttaaaa gatgcttg 498

<210> 1439
 <211> 388
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (38)..(38)
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<220>
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<220>
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 <223> n = unknown

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<221> misc_feature
 <222> (109)..(109)
 <223> n = unknown

<220>
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 <222> (166)..(166)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (299)..(299)
 <223> n = unknown

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 catttttcatt atattttctaa tctaataatcc ccaaattttca actaanaagn taaatccttt 180
 gccagtctga gaagatagga gtaaagttac atttttccag ccaaccccac cattgacaag 240
 agtggcatag cctccttggc atttacatat tgggtccaggg cacgtacaca actgattgng 300
 cgattattttc ttgaacccac tgggtggaaat gacactttctc tggtagcttt cctgaaaaag 360
 cttccacttt tggattggac ttgtcggg 388

<210> 1440
 <211> 283
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (35)..(35)
 <223> n = unknown

<220>
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 <222> (38)..(38)
 <223> n = unknown

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 gcagttgtgg atgggcttat ttcatcattc gttgactgtg gttggtcgtc tttaacgtca 180
 ctgtctggga aagcaatagt aaaagtatga ttatgagtga atatttattt gctcgactat 240

tattatctta ctaagcaaac gcctggggccc aggggtcagtc tgt

283

<210> 1441
<211> 500
<212> DNA
<213> Ctenocephalides felis

<220>
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<220>
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<222> (30)..(30)
<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

<220>
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<223> n = unknown

<220>
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<222> (163)..(163)
<223> n = unknown

<220>
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<222> (212)..(212)
<223> n = unknown

<220>
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<222> (425)..(425)
<223> n = unknown

<220>
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<222> (428)..(428)
<223> n = unknown

<220>
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 <222> (499)..(499)
 <223> n = unknown

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 tgtatgtatc ggaatgntta tgcaacttgc cttaggcaa agngctactt acaactatag 180
 ttaacattca ttttggcatt tatatcttct gngacaatcc aaaataatac ttaaattatt 240
 tctatcatga tatatgatac gcgtgataaa attcacataa tctatattat tttgctatta 300
 atattaactt aattcttaaa tttatttctt atttttcatt ttaaccacg ccatctcggc 360
 aagccatggt atacagcaaa tgagtaaaca cacagtcaag gcatggaaac atattatgta 420
 gctgnggntg catctcgaat aaaccaacg attggcccaa agccaatgca ttattccttg 480
 caagaacatg aacagccgna 500

<210> 1442
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 <212> DNA
 <213> Ctenocephalides felis

<220>
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<400> 1442

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antatggatc gttaatagca nncnttttaa gctcattcat aaatactgna taattatttc      120
attttttata gnttttttatt attgaaatgc ccacaacaag tatacattca aaatcaaact      180
atatgggtatt agtagtatat aaataattat ttactttctac taattaatat tgtcgaattc      240
atattctatt tccatcccta tccctttttt ataaatcgtg tttcaataat ttacctcaaa      300
atgagatcta aaatatgaag aaatgatata caanttcac tatacttata ttttaaaagt      360
gcacaattaa taataaaaag attattttac tctcgttctt gagaattgag atttggtctt      420
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<210> 1443

<211> 498

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (37)..(38)

<223> n = unknown

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<222> (62)..(62)

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<223> n = unknown

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<222> (346)..(346)

<223> n = unknown

<400> 1443

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cntgcnnaag tgaaaacggt ttttccgac gaagagattg taaaaaatat tatcaatggt      120
tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg      180

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ataaaacgga gttgcgatgc ataccacgc caccgcgcga agaagcaaa agtgagattg	240
ctaagtaagg cttaaccag gaaaacaatc ttgaatagac tanttaggat tcaaattatc	300
ataaagtagt caattaatat aataaatata caaatgatct gtgcanttaa atataaaaaa	360
tatgtataaa aattaaaatg tataaaattg tttttatgta aggagcacia acaaaatgca	420
ttactatag taatttctga ttatttaaaa tatataaata tagaagcttt atgaaattaa	480
aaaaaaaaaa aaaaaaaaaa	498

<210> 1444
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 <212> DNA
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ttttaataaa cattaaaatt atttagttct ttctgttaga tgaatngtgt gttanattctt	120

```

gtgctgtgat ttacatacaa nttaatacag attgaaatgc aatctataaa agcattatatt 180
caataatcat tatatagtaa ttttgatttt gactatttgc agataaattc attacatttt 240
aaaatgnntta ctttattaag ctatacaaac cttgaacttt acactttgta tttctagaac 300
ataagtatta aataaattgn taaaaatatt tngggctaga ttttcctatt gctaattg 358

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<210> 1445
<211> 443
<212> DNA
<213> Ctenocephalides felis

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<220>
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<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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<223> n = unknown

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<220>
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<223> n = unknown

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tatgtttcca ttgcttgcag attcacaaca taaaacgtga tgcttatgca aaatttcatt 120
accacgggcta acagtgtatc caaattctgg agggattcat cattggcaat gcatataaga 180
atggaagatg ctgccagagc aattccaaaa gaagctacag aggtccaacg tcttcctatt 240
ctgtcgctgg agaaacgtcc tagtagatat gctggtaatt ctactgccga ttgatataaa 300
aagttgagaa atggattacc tcccatattg ctcacgttca aaaataatgn aaaatacgtc 360
acggacatac aatccagcaa agcacaataa gngnagtatt tctagctaaa cgtaactaga 420
aaataaactc atgattccgn aac 443

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<210> 1446

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<211> 415
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (30)..(31)
 <223> n = unknown

<220>
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 <222> (103)..(103)
 <223> n = unknown

<220>
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 <222> (263)..(263)
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<220>
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 <222> (273)..(273)
 <223> n = unknown

<400> 1446
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 ccgatttcaa cctagctaaa gaatacaacg actcctaccc gngggttttt aacatcattt 120
 tatgggttcgg agtagccttt ttcttctcgt tacttgctat ctgtatctcg atctccacaa 180
 tggaccctgg cagggactcc attattttaca gaatgacatc cacacgcacg aagaaggaga 240
 attaaagttt gcgaaaggag tgnnttttaat tgnaaataga ttgggttagta ttattacaat 300
 gtaacgaggt attaatttgt gatcaatata aattaaaatt aaaatcaata tcttttggtga 360
 aatcgaaata ttgggtctatt atatttttgg ttacattcct agtattaccg aattg 415

<210> 1447
 <211> 419
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (28)..(28)
 <223> n = unknown

<220>
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 <222> (58)..(58)
 <223> n = unknown

<220>
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<222> (94)..(94)
 <223> n = unknown

<220>
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 <222> (158)..(158)
 <223> n = unknown

<220>
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 <222> (258)..(258)
 <223> n = unknown

<220>
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 <222> (297)..(297)
 <223> n = unknown

<220>
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 <222> (348)..(348)
 <223> n = unknown

<220>
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 <222> (411)..(411)
 <223> n = unknown

<400> 1447
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 taaaagaatt gggatttggg catttcatga cggngcaatc agcttctgac gatttctttt 120
 tacacatatt tttagaatga tcatatacat agttaggngg gcattcgaaa acctgccttt 180
 accatctttg cagaataagt atcttgtgca gtctttcgga tctggctgat atcctacaac 240
 cgcgcatgta gtttctgncg ttttacagtt ttccccaggt tttgatgagc acatatnatc 300
 tacacaaaat ggagcatcgg aatttgagtc tctgcaattg attggtgnaa ttgggggttc 360
 ttgtcagcgc caacttcaaa gtagaacaat cgtgacaaaa tgttccactg nttattaat 419

<210> 1448
 <211> 318
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (1)..(1)
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<220>
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 <222> (18)..(18)
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<220>
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<220>
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<222> (26)..(26)
<223> n = unknown

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<223> n = unknown

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<222> (87)..(88)
<223> n = unknown

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<222> (132)..(132)
<223> n = unknown

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<222> (203)..(203)
<223> n = unknown

<220>
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<223> n = unknown

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<222> (243)..(243)
<223> n = unknown

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<222> (276)..(276)
<223> n = unknown

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<223> n = unknown

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<222> (286)..(286)

<223> n = unknown

<400> 1448

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gcaggnnagc ttctatatatt atatatnnca aaaaatcaga aattactata gttaaatgac 120

attttggttt gngctcctta cataaaaaaac aattttatac attttaattt ttatccatat 180

tttttatatt taattgcaca gancattngg gnatttatta tattaatnga ctactttatg 240

atnatttgaa tcctaattag gtctattcaa gatggntntc ctgggntaaa gccttactta 300

gcaatctcac ttttgcac 318

<210> 1449

<211> 338

<212> DNA

<213> Ctenocephalides felis

<220>

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<222> (26)..(26)

<223> n = unknown

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<221> misc_feature

<222> (79)..(79)

<223> n = unknown

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<222> (85)..(85)

<223> n = unknown

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<223> n = unknown

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<222> (289)..(289)

<223> n = unknown

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<222> (319)..(319)

<223> n = unknown

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<222> (331)..(331)
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 <222> (333)..(333)
 <223> n = unknown

<400> 1449
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 cattctaaaa atatgtgtaa aaagaaatcg cagaagctga ttgcccgcat gaaatgcaca 180
 aatccaattc ttttattacc tatgcccggc ccatcaattt atgcttggtg caatgacaat 240
 tgcacccgtc gtttttatat aagaaactat ttattatttt tagaattgna aaaaatagca 300
 ctatttattt tattatggng aatttatitg ngntgtta 338

<210> 1450
 <211> 411
 <212> DNA
 <213> Ctenocephalides felis

<400> 1450
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 aatgcttctt ttgcctggg aatcggtttt actaaattat tgaattggat ttcttcgtcc 120
 acttcaataa gcccaatatt ggcgatatcg gtttttaggat tatactcttc atgtacaata 180
 tattttttga catcatagta acgacctcct ttgttttagtt tgttggtacc gacgtagatg 240
 gaactcaaac ggctgacgac tagacaatgt gcagcagtaa gaaccattt ttcattaaga 300
 atcgatccac cacaaaaatg tttcaagaat ttatctctta aagataactg aatggagca 360
 gaaccaggag cggcgctctgc acctccaaca attctggtgt ggcattggag t 411

<210> 1451
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (27)..(27)
 <223> n = unknown

<220>
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 <222> (58)..(58)
 <223> n = unknown

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<400> 1451
aataaatata attttattat ataaganaca tatgtataac aatacaaatt ataactantt      60
aacagtcttc ttgtgataat ttcttgacgg ccgtatctgt agactttgat acaccttttt      120
tcggtaagct ccagaacacc tgatccctgc cgaatacgtg agcttcagtt agcgtttccg      180
gtaacttttg gtgtaaagtt tccggcaaga acattccgga agtcgcgccc accatcatca      240
ttacggaaaag tacagcgtag gggatatctgg cgtcatatgt ggttccctgt gatgaaacga      300
aaatatttaa atcagggttc tgctgtttac tcggcatagc tcaatgtcac ttgcatgata      360
ataccggtgc ttgccttttt ttacataaaa tgatagtttt taaatagagt atatttgatg      420
actacaaagg cgaaatggaa tagaaatcgt ggtcatatga tgaaaacatt ggggtaattc      480
atcaaagata taaaacat                                     498
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<210> 1452
<211> 500
<212> DNA
<213> Ctenocephalides felis
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<222> (161)..(161)
<223> n = unknown
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<222> (407)..(407)
<223> n = unknown
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<400> 1452
cctgcaaaat ggtaggactg ctcaatattg ttttattagc ttttgcattt gttaactttt      60
ctttgtaatt ctcaattctc cataccatgt gcccgttcc attaaccggg tcaactcaaag      120
ccttatggaa ggcccttgca tcttctgcat cttttatctg ntgtgacaat tgcgccacca      180
atctctcttg tttaaccaat tgccgactta atttatcaa aatatctgta ttatcttgaa      240
ctgtgctttt catagatttc aattcgata aaaaagaagc tattcgagct ttttgtttgt      300
ccaactcgtc tgccgttttc gtatgatctt cataaaagtt ggaagccact tctcgtctcg      360
ttttttgggc atctttttgt aattgtatta ctgattgcgt atgagancca tgtcttgtct      420
aactcattta ctcttgcgaa gtttttatcc tgccgttaat acgacctcga cttgggttct      480
tggtttcttc atctagtatc                                     500
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<210> 1453
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<212> DNA
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<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (2)..(2)

<223> n = unknown

<400> 1453

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taacagtctt cttgtgataa tttcttgccg ccgtatctgt agactttgat acaccttttt      120
tcggtaagct ccagaacacc tgatccctgc cgaatacgtg agcttcagtt agcgtttccg      180
gtaacttttg gtgtaaagtt tccggcaaga acattccgga agtcgcgccc accatcatca      240
ttacggaaag t                                     251
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<210> 1454

<211> 383

<212> DNA

<213> Ctenocephalides felis

<400> 1454

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acaacaaaca tctggataaa atcaacgtta tcaaaattaa caacaaatta attaaaaatat      60
tggaatgtag ttgtcaatct tggtcctgtg cttttgagca acgcactcac ttatccaaac      120
aatgttacgg cactcttggt ccttgagttt caaataagag taaaagactc cgaaatggga      180
ttgttgcaag aaagcaaaca cattgagatg aacctcatgt tcaaagaatt tatcttcaag      240
tgttttgtcg ccggtccatc gccagagcct tcgaataaag cagaatactc agcataatat      300
tcagctcagc ttttaacttg cataatcatc agcacgagcc agagcagcta aaccgtctgg      360
gttttagttta ccacaacggg ggt                                     383
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<210> 1455

<211> 304

<212> DNA

<213> Ctenocephalides felis

<400> 1455

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caacttttaa tgatattcaa cttcaaactc acgtgggctaa tattttccaa gttgatagaa      60
gtaaaattaa aataactcat acacctgaaa cttcagtaac tattctctct tgatttcagt      120
attaaaaatat aataacaaaa agtgataatg taattttggt catgagtttt tgctgaaatg      180
atctgaatat ttacctgttt tcgaattacc aacattgaa aagttaaaaa taaaaaatat      240
ttattacttt aattttatatt agcatatgaa caattcatat tgtttaactta taataaataa      300
tagt                                     304
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<210> 1456
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (85)..(85)
 <223> n = unknown

<220>
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 <222> (396)..(396)
 <223> n = unknown

<400> 1456
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 aactgcattt tatcataaaa attgntataa ttttttttta taaataataa ttattattat 120
 tatcctgaaa aattttgaga attgacaatt tccatacatt atgccactga atcataccga 180
 attctgtcaa aatatcatgt atttgctgtg cattcaggcg ttttacacat aaactgcaac 240
 cgtcaatcgt atgttatgaa gctgagtcag aaagaccatg ttatataaca tcgttttttg 300
 acgtttgtgt gggtttctggg tttttatgtg ataacttgag aaatcgctg actgcagagc 360
 aaccgcatgg cttttgcaat attcagtatg gaaagntgtc gtatcatagc cttgcataac 420
 ataagtctgt tatgcgggccg aatcggccat taatattaaa ttttgatgtg attttttagaa 480
 taaaatatgc tcagtgtt 498

<210> 1457
 <211> 466
 <212> DNA
 <213> Ctenocephalides felis

<400> 1457
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 ttaattgatg tcgaccctac gttgtcgcaa tgtttactaa ctttcaaatt cttgtaactt 120
 ttaaactggt tggttaattt aaatgaaata tttggcaaat ttgttcaaaa ttaaatagtc 180
 tataactttt tctaacatcc taagtccata gagcaactcg gtatactgaa aaattaataa 240
 ttttaaattg atgtcgacac tacgttgctg caatgtttat taactttaaa attcttgtaa 300
 cttttgaatg gtttgtttaa tttgaatgaa atatttgga aatttgtttg aaattaaata 360
 atttacaact ttgctaacat cttaagtcca tagagcaact cggatatact ataaattaat 420
 aatttctgat tgatttcctg aaagatttac tttgtaattg gtgaag 466

<210> 1458
 <211> 92
 <212> DNA
 <213> Ctenocephalides felis

<400> 1458
 caaacgaatt acaacaagtg gaaaccactg taataacaaa cgaaaagtgc tacgaattgt 60
 ctcaattcgt tgaaccaact tcgcaaatat gt 92

<210> 1459
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1459
 gggatatctgg cgtcatatgt ggttcccaag tatacaatgt atgggcctaa tactcctaatt 60
 gcatttgaaa ctatagttcc aatggaaatt cctgtctgcc tcaaacaggt tggatatggt 120
 tccattgctt gcagattcac aacataaaac gtaatgctta tgcaaaatct cattaccacg 180
 gctaacagtg ataccaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa 240
 gatgctgcc gagcaattcc aaaagaagct acagaggtcc aacgtcttcc tattctgtcg 300
 ctggagaaac gtccatagtag atatgctggg aattctactg ccgattgata taaaaagttg 360
 agaaatggat tacctcccat attgctcacg ttcaaaatta atgtaaaatc gtcacgggaa 420
 atacaatcca gcaaagcaca ataagtgtag tatttctagc taaacgtaaa ctagaaaata 480
 aactcatgat tccgtaaa 498

<210> 1460
 <211> 419
 <212> DNA
 <213> Ctenocephalides felis

<400> 1460
 taacctctaa tgacgtctta acacgtaaga caaggcaagc agatgatgct ccaaagaac 60
 ccgatttcaa cctagctaaa gaatacaacg actcctaccc ggtgggtttt aacatcattt 120
 tatggttcgg agtagccttt ttcttctcgt tacttgctat ctgtatctcg atctccacaa 180
 tggaccctgg cagggactcc attatttaca gaatgacatc cacacgcac aagaaggaga 240
 attaaagttt gcgaaaggag tgtttttaat tgtaaataga ttgttttagta ttattacaat 300
 gtaaccgagt tattaatttg tgatcaatat aaattaaaat taaaatacaa tatctttggt 360
 gaaatcgaat tattgttcta ttatatTTTT gttttacatt cctagtatta ccgaattgt 419

<210> 1461

<211> 493
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (28)..(28)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (31)..(31)
 <223> n = unknown

<400> 1461
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 ttactatagt taatgacatt ttgtttgtgc tccttacata aaatacaatt ttatacattt 120
 taattttttat acatattttt tatatttaat tgcacagatc atttgtgtat ttatttatatt 180
 aattgactac tttatgataa tttgaatcct aattagtcta ttcaagattg ttttcctggg 240
 ttaagcctta cttagcaatc tcacttttgc attcttcgcc ggggtggcgtg ggtatgcac 300
 gcaactccgt tttatcaaag tgcaagccat ttggacaatc ataatgtttt atttgccatt 360
 tgttggttaac caagaaacat tgataatatt ttttacaatc tcttcgatcg gaaaaaacgt 420
 tttcactttt gcatgcagtt ctgcacgaga aagattttgg gcaaaccatt cgtgacgtcg 480
 cttcacattt cag 493

<210> 1462
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (79)..(79)
 <223> n = unknown

<220>
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 <222> (81)..(81)
 <223> n = unknown

<220>
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 <223> n = unknown

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<223> n = unknown

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<221> misc_feature

<222> (118)..(118)

<223> n = unknown

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<222> (334)..(334)

<223> n = unknown

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<222> (339)..(339)

<223> n = unknown

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<222> (415)..(415)

<223> n = unknown

<400> 1462

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catgtaattt cataaagcnt ntatatttat atntttttaa taatcanaaa ttactatngt 120

taaagacatt ttgtttgggc tccttacata aaaaacaatt ttatacattt taattttttat 180

ncatattttt tatatnnaat tgcacaganc atttggggat ttatttatatt aattgncctnc 240

tttatgataa tttgaatcct aattagtcta ttcaagattg ttttcttggt ttaagcctta 300

cttagcaatc tcacttttgc atttttcgcc gggngggcng ggtatgcac gcaactccgt 360

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tttatcaaag tgcaagccat ttggacaatc ataatggttt atttgccatt tgtgntaacc 420
aagaaacatt gataatatTTT tttaaatct cttcgatcgg aaaaaacgtt tcacttttgc 480
atgcagtctg acgagaaaga 500

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<210> 1463
<211> 207
<212> DNA
<213> Ctenocephalides felis

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<223> n = unknown

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<220>
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<223> n = unknown

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<400> 1463
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aattcaccag gatcgtgaat ctaatgaaca tgaagaacaa ttcaacaagc accatnatna 120
caagcancac aaagctgatt atatgaatca catgagagtc accgacactt cngcaatcat 180
ggctggttct tttgctgtga tagcgggt 207

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<210> 1464
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 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <223> n = unknown

<220>
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 <222> (310)..(311)
 <223> n = unknown

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 <222> (315)..(315)
 <223> n = unknown

<220>
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 <222> (317)..(317)
 <223> n = unknown

<220>
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 <222> (324)..(324)
 <223> n = unknown

<400> 1464
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 tatgataagg catttaaaga attttacaat ttagatTTTT ttaaattccat gaatatattt 120
 gttctaataca aaattattca ttttacgctt aattttattg gttgaactaa tagatagata 180
 gataaagata tagagttaat ataaaaatgg agaaaataaa attaaaagta agaaataata 240
 cggacttcta aatgtagggg gaagtccctt agtggcggac acctaaagtt atttataaat 300
 nactcanaan ngaananaaa aaanaaaaaa aa 332

<210> 1465
 <211> 423
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (346)..(346)
 <223> n = unknown

<220>
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 <222> (349)..(349)
 <223> n = unknown

<400> 1465
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 aaaagaattg ggatttgtgc atttcatgac ggtgcaatca gcttctgacg atttcttttt 120
 acacatattt ttagaatgat catatacata gttaggtggg cattcgaaaa cctgaccttt 180
 accatctttg cagaataaag tatcttgtgc agtctttcgg atctggctga tctcctacaa 240
 ccgcgcatgt agtttctgcc gtcttacagt tttcccagg ttttgatgag cacatatcat 300
 ctacacaaaa tggagcatcg gaatttgagt ctctgcaatt gattgntgna attgggggttt 360
 cttgtcagcg cacaacttca aagtagaaca atcgtgacaa aatgttccca actgcttatt 420
 agt 423

<210> 1466
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (489)..(489)
 <223> n = unknown

<400> 1466
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 tcgacaattt tactcgtatt tatcttaaac atatttacag tatttctctca aaaactgtta 120
 aatacaataa gttaacttaa atacatggat gttctgagaa tgtggatgag ctcaagattg 180
 tagaactgag tttgatctac acaatttttg cctaaaaggt tcgactactc agaaagcagc 240
 caccgctgat tccataccgc ctcacatttg acaataaaat atatgtataa tgttaaatag 300
 gattttaatg gaaaaaagcc aatttaatac tttagcatta tgaatatgta tttccaaatt 360

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attctataac cgaatttaac ctaaaatata agaaatacat attcataaat atacatatat 420
 ttttaatacaa aaaggtaact tgtgcaaaaa tgaaattcaa atcacttggt ttgctaattt 480
 aaatggttnt agattttctc 500

<210> 1467
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (157)..(157)
 <223> n = unknown

<220>
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 <222> (391)..(391)
 <223> n = unknown

<220>
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 <222> (434)..(434)
 <223> n = unknown

<220>
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 <222> (457)..(457)
 <223> n = unknown

<220>
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 <222> (480)..(481)
 <223> n = unknown

<400> 1467
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 agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttcttaaag 120
 tataattgca tttcacaaca cacgacggaa atatggntat ggtccatatg aagcaatgct 180
 cgttctttcta tccacttgct tctgataaat gttcgggtata aagaatgcaa tcaactccaca 240
 tgctatcaga gatgttcctg atattaaaaa tgttaaatcg caattataat ctagaattat 300
 tcctacaaca ttgcttcaac aacacttcct aatcgacca tcattaaaga tatacatact 360
 gccattgccc ttggttgtga gggtaactcg ncgcgatcga gcggccgccc gcaggtaccc 420
 aaggaagtca caanagaatg ggcaaggctt agctccncag cgatcaaaga taagcctttn 480
 nattagttta aactcaac 498

<210> 1468

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<211> 126
<212> DNA
<213> Ctenocephalides felis

<400> 1468
cttattgttt tatattagct ttcttattac taatcaataa aactataaaa tatgtaatac      60
tgccattttac tttaacaagaa cctagcaggt tagttaaaaa ttttctttac tataagatgt    120
tggtgt                                           126

<210> 1469
<211> 435
<212> DNA
<213> Ctenocephalides felis

<220>
<221> misc_feature
<222> (21)..(21)
<223> n = unknown

<220>
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<222> (36)..(36)
<223> n = unknown

<220>
<221> misc_feature
<222> (66)..(66)
<223> n = unknown

<220>
<221> misc_feature
<222> (117)..(117)
<223> n = unknown

<220>
<221> misc_feature
<222> (169)..(169)
<223> n = unknown

<400> 1469
ccaacaatat cctatTTTTtg nattaattga tatgcntttt aatttggcta ctaatacttc      60
tatganaatt catttttttaa ataagtgggt taaataaata atttcattga aaagtcncat    120
caaaactttt ctccaaatat agttctataa tatttagttt ttagcctgnt atcactatta    180
gattaaatta taaattgttt gtaattggct aattgtaaag tgtttataaa tgaacttttg    240
ttgtcatttg ttatgaagat atatgtattt tgaagcatat tttttgtaac attgtgcaaa    300
tgcttatttg tttggttgta ataggaaaat aattatgatt cttattactc attaaactat    360
aataaatTTT agtcccatgt taaacattac aattaagtat ctatttagca aaaaaaaaaa    420
aaaaaaaaaa aaaaaa                                           435

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<210> 1470
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (57)..(57)
 <223> n = unknown

<220>
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 <222> (142)..(142)
 <223> n = unknown

<220>
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 <222> (150)..(150)
 <223> n = unknown

<220>
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 <222> (202)..(202)
 <223> n = unknown

<220>
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 <222> (212)..(213)
 <223> n = unknown

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 <222> (217)..(217)
 <223> n = unknown

<220>
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 <222> (231)..(231)
 <223> n = unknown

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 <222> (259)..(259)
 <223> n = unknown

<220>
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 <222> (286)..(286)
 <223> n = unknown

<220>
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 <222> (328)..(328)
 <223> n = unknown

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<221> misc_feature
 <222> (352)..(353)
 <223> n = unknown

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 <222> (370)..(371)
 <223> n = unknown

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 <222> (392)..(393)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (425)..(425)
 <223> n = unknown

<220>
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 <222> (427)..(427)
 <223> n = unknown

<220>
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 <222> (452)..(452)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (467)..(467)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (481)..(481)
 <223> n = unknown

<400> 1470
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 attcattttt agaaaaaat ataaatacaa ttccatttat catgttgcaa atcttcaatt 120
 ttaaaaaaat attgatccga tncattttgn gatgtttacc cgtattagcc gaaggggaata 180
 ttttggtggt ttctggtgcg gnaaaagaaa anntggnaga ttatttaatt ntctataaat 240
 ttgccgaata tttcatttna atcaaataaa ccgttcaaaa gttatnaata aatgcacttt 300

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tcctaaactc aagaacaaaa cagtgaancg ctgtgaatat ttatcaactt tnnaacaaac	360
ttttttgagn ntaccgagtt gctgtagggc tnnctatggt aggaaaatgt nttagactat	420
tcaantntct atattttctc ccaacatata tntagnttcc gcaaatnggt ttaaggtatc	480
ncaatgtacg aataaatg	498

<210> 1471
 <211> 468
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (464)..(464)
 <223> n = unknown

<400> 1471	
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ttaattgatg tcgaccctac gttgtcgcaa tgtttactaa ctttcaaatt cttgtaactt	120
ttaaactggt tgtttaattt aaatgaaata tttggcaaatt ttgttcaaaa ttaaataagtc	180
tataactttt tctaactatc taagtccata gagcaactcg gtatactgaa aaattaataa	240
ttttaaattg atgtcgacac tacgttgtcg caatgtttac taactttaaa attccttgtaa	300
cttttgaatg gtttggttaa ttggaatgaa atatttggca aatttgtttg aaattaaata	360
atttacaact ttgtctaaca tcttaagtcc atagagcaac tcggtatact cataaattaa	420
taatttctga ttgatttcct gaaagattta ctttgtaatt ggtnaaag	468

<210> 1472
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (56)..(56)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (388)..(388)
 <223> n = unknown

<400> 1472	
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tcacagaca ttcccataga taaattaact tcttttgggt ctaaatttaa ttccttgcac	120

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aattgctcac gacattgttt taaagtgaga aaatctgggt tgggtcctaa acttgatatca 180
tagccatatt ttccaatagt cattaaacca tcaacaagta ggtttgggca attttctttc 240
acatatttgt atagagttgt tgcttcattt ggggtgaacac catgtttttc tatttcacca 300
cttgatatta tttgaatcat aactcttaat ttatcaccat gaattttatt agctgaatct 360
aattttgacc aagcattctg cacactgncg gctaatttaa atgagtgaat tgtttcgacc 420
atatatatcc aggttggttaa ccccttatta attttatttc tttgaagatg acctataaat 480
gcattttatt tctttaca 498

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<210> 1473
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<400> 1473
tgaaatgtga agacgacgtc aacgaatgggt ttgacccaaa atctttctcg tgcagaactg 60
catgcaaaag tgaaaacggt ttttccgatc gaagagattg taaaaaatat tatcaatgtt 120
tcttggttaa caacaaatgg caaataaaac attatgattg cccaaatggc ttgcactttg 180
ataaaacgga gttgcatgc ataccacgc caccggcgga agaatgcaaa agtgagattg 240
ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
tatgtataaa aattaaaatg tataaaattg tttttatgta aggagcacia acaaaatgtc 420
attaactata gtaatttctg attatttaaa atatataaat atagaagctt tatgaaattc 480
atgttctttt taataaaa 498

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<210> 1474
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (394)..(394)
<223> n = unknown

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<400> 1474
cagagtgagg ggaggggaca agaagcctga ggcattctca acttcaaattg gaagttcgtc 60
ccccctcaag aggggtgggca acccggtcag aacaccgtta cagaaagcac tgcttgagca 120
gtggaacatg tctcgggaat ctcaaagata cctttagcga atacaatatc tataactgtt 180

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tgctaaaata acatttttat agacatcccc ctttaaaaat gataaggaaa atagggttgca 240
cacatatttt ctaatgcata aaaactgcag gattgggtttt cttttttatt taattttattt 300
atgtgtgaag tatgaaacaa tgcttattgc tgtgcaacct ctttggttat gtattgttaa 360
atcataaaac gtaaagatct gatttttagt ttgnttacat tttgacaaac ctgcattaga 420
attgatttgc agtgagtaat tttagagttg catttaattt catttttaaaa taataaagaa 480
aaaatgcttt acgatgca 498

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<210> 1475
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<220>
<221> misc_feature
<222> (57)..(57)
<223> n = unknown

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<220>
<221> misc_feature
<222> (203)..(203)
<223> n = unknown

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<220>
<221> misc_feature
<222> (440)..(440)
<223> n = unknown

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<400> 1475
ccatgacctc ctgtgaaata acttacagga tacccaattg ctatcaccaa ccaggcncca 60
atcatcgaat agtacataaa accaatttcgg taagggtgcaa taacttcatac atttgaatgc 120
ccatcgtgat gctgggtctt ccatacagaa ttcacagtcg tattttttacc ctcaggacaa 180
ccttcagtcg acatatttag gtnaggaaac ttcaaattac cttgagcaat gttaatttgg 240
gctccactta ccatccaact gaccaggatt agacttgctg cagctcccac caaaactccc 300
tttgtgtttg ctttagggaa caagattccc aatgtaaaca ttcccaaaag ggttcctgca 360
gtaactccag tgcactaatg accaaatgca tgacgcttct aattgtctac tacaagaca 420
aagtccgagg caaattcctn caattactac tacagcagct tcataatatt actgcagctt 480
ctcactagtg gtgactgg 498

```

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<210> 1476
<211> 498
<212> DNA
<213> Ctenocephalides felis

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<220>
 <221> misc_feature
 <222> (182)..(182)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (402)..(402)
 <223> n = unknown

<400> 1476
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 gcatttgaaa ctatagttcc aatggaaatt cctgtctgcc tcaaacaggt tggatatgtt 120
 tccattgctt gcagattcac aacataaaaac gtgatgctta tgcaaaatct cattaccacg 180
 gntaacagtg ataccaaaatt ctggagggat tcatcattgg caatgcatat aagaatggaa 240
 gatgctgcca gagcaattcc aaaagaagct acagaggtcc aacgtcttct attctgtcgc 300
 tggagaaaacg tcctagtaga tatgctggta attctactgc cgattgatat aaaaagggtga 360
 gaaatggatt acctccatat tgctcacgtt caaaattaat gnaaaatacg tcacgggaca 420
 tacaatccac aaagccaata agtgtagtag ttctagctaa cgtaaactag aaaataactc 480
 atgatcccg aacttttt 498

<210> 1477
 <211> 118
 <212> DNA
 <213> Ctenocephalides felis

<400> 1477
 catcaccgag aagaactctt cggctacgga atatcttcat tggaggcgcg ttgttggtgc 60
 acgcagcatt aacaagggtt ttgcaattca gcataatgac cagaagaaaa atacaggt 118

<210> 1478
 <211> 399
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (31)..(31)
 <223> n = unknown

<400> 1478
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 aatgcgtttt attaaaagtt gcaagcagtt aaataaaatg ttgaataaat aatagtgata 120
 aatcattgca taatgatgca actcataatt attaagtaaa ttgtctataa caactactac 180

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attatcagat ctatccgtca cttcttaata ttcaataata ttatggatat caggcctctt	240
atcactttat agatttttaa ttaatctatt taatattaaa taaaaaataa atttaaaacc	300
attaaaccga tacattgcct ttaaatgaaa taaatcacca taacctttat taagcttggt	360
gtaatatgca atagcaattt catatacaca ctactagg	399

<210> 1479
 <211> 467
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (464)..(464)
 <223> n = unknown

<400> 1479	
aactttgtct tttacaaaa gtccttacat caactcggta tactcataat ttaataattt	60
ttaattgatg tcgaccctac gttgtcgcaa tgtttactaa ctttcaaatt cttgtaactt	120
ttaaactggt tgtttaattt aaatgaaata tttggcaaat ttgttcaaaa ttaaatagtc	180
tataactttt tctaacatcc taagtccata gagcaactcg gtatactgaa aaattaataa	240
ttttaaattg atgtcgacac tacgttgctg caatgtttac taactttaaa attcttgtaa	300
cttttgaatg gtttgtttaa tttgaatgaa atatttggca aatttgtttg aaattaaata	360
atttacaact ttgtctaaca tcttaagtca tagagcaact cggatatactc ataaattaat	420
aattttctgat tgatttcctg aaagatttac tttgtaattg ggtnaag	467

<210> 1480
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<400> 1480	
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catgcaaaag tgaaaacggt ttttccgatc gaagagattg taaaaaatat tatcaatggt	120
tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg	180
ataaaacgga gttgcgatgc ataccacgc caccggcga agaatacaaa agtgagattg	240
ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc	300
ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa	360
tatgtataaa aattaaaatg tataaaattg tattttatgt aaggagcaca aacaaaatgt	420

cattaactat agtaatttct gattatttaa aatatataaa tatagaagct ttatgaaatt 480

catgttcttt ttaataaa 498

<210> 1481

<211> 461

<212> DNA

<213> Ctenocephalides felis

<400> 1481

gagcgggcgg cccggcaggg tccaagttct atatcaattt ttatataaca ataatttgag 60

acagcaaact gaatcctgta ttgattttct ttgtccttgg tgcagtctga attgcggtt 120

attatattcg ctactgaaac atttgaaact gtgccatgct agattttacct ttacatatgt 180

gccattaaca caatgtgcta gaatagatgt agctataaac gagttgtatg atggttctta 240

tggtggggca cctcaagatt tgctaggccc ttctggattt gcattttcaa ggaatggacc 300

gactcgaaga actattgtta cacatatatt agtttgccga ccaagaagaa gtaaaccag 360

tttatcagaa ttcttggaat tggatgaaaa tgaatgcgac agccaaagac cttacattac 420

aggtcacaat cgtctgtatc atcatacaat aacatgccta c 461

<210> 1482

<211> 269

<212> DNA

<213> Ctenocephalides felis

<400> 1482

agatctacta atgccgcgtt taccactgtc acagcaattc cgcaaaccag caaccacaaa 60

tataaatatg atgctattgt taaatgttca ataaatgcac aaattattcc acaaattccc 120

catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180

attatgggaa atccaatcgc atatccagct tccaacatta aagaatgcat aaatgcctgt 240

tcttccattg tgtctttaca ctcggtcgt 269

<210> 1483

<211> 402

<212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (17)..(17)

<223> n = unknown

<220>

<221> misc_feature

<222> (28)..(28)

<223> n = unknown

<400> 1483

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caatctatatt acaattaaaa acactccttc acaaacttaa ttctccttct tgatacgtgt     180
ggatgtcatt ctgtaaataa tggagtcctt tcgggggtcca ttgtggagat cgagatacag     240
atagctagta gcgagaagaa aaaggctact ccaaaccata agatgatgtt aaaaaccacc     300
gggtaggagtc cgttgtattc tttagctagg ttgaaatcgg gttcttttgg ggcattcatct    360
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<210> 1484

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accagcaaag ccaagttttt tggcagcgtc aatggctgtt gctcctttgt cttgatttag    120
cttggaacaa actgtgtctg caggatgaga aactactgca cagaatacac cggcaatgta    180
accagcagca aagggtgaaa ccaattgttc                                210

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<210> 1485

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 aataactttt acattattaa aataaatcac atatgataac atttccattc gaacgaaaat 180
 gcccttgatt tacatttttt attttcattt aggnngnttaa aatgctatta aaatattcac 240
 tattcatttt caaatgatat agtattttaat ataaattatc taatcagtat aaaaattgct 300
 cataaaatta tttattttaat tttatattta aaacaacnac gcaaatgtta aattatagtt 360
 cttccnaagc attattttat cagttacttg agcctgcatt atagggttta ttcaattatt 420
 ttataaaatt tatattatta ggtcacttaa tgcagagntg nataaaaaaa acttactata 480
 aaatatttgg gtgggtaa 498

<210> 1486
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<400> 1486

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gaaattgcta ttgcatatta catacaagct taataaaggt tatgggtgatt tatttcattt      120
aaaggcaatg tatcggttta atgggttttaa atttattttt tatttaatat taaatagatt      180
aattaaaaat ctataaagtg ataagaggcc tgatatccat aatattattg aatattaaga      240
agtgcaggat agatctgata atgtagtagt tgttatagac aatttactta ataattatga      300
gttgcacat tatgcaatga tttatcacta ttattttattc aacattttat ttaactgctn      360
gcaactttta ataaaacgca tttttttattg nttaagtat aaatcttatt agggcacaat      420
atgaaaataa aaataagaac tttatacaaa agctttttta tacaatatgc tcttgcgcta      480
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<210> 1487

<211> 492

<212> DNA

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<400> 1487

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tataaaattt atatttttct aaatgggtnc tatatgaatg ggnntttata taaaaattgt      120

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FC-8-C3.ST25.txt

atacaatatt ttcataatag cctgatgaat attatattag gctgcgatta agcaaatcat	180
tttattcaat gcattcgaaa accgngggct tttcatgttt aatctcggga aatgaacgaa	240
aagaagttcg atcgccagaa gtttatataa acaaactatt ggcaatgcta ttttaggagg	300
tatagttata ttataatttt ttatgattta taacctcgac atatttcaat tttacactaa	360
aatttatatt tcataatatt ataattttta gattgatata agaatgaaat gatacataaa	420
cactttctat gttcatgata tataaattat tttatggaat ataagttttt atacaaatca	480
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tcttggttaa caacaaatgg caaataaaac attatgattg tccaaatggc ttgcactttg	180
ataaaaacgga gttgcgatgc ataccacgc ccccgcgcaa gaatgcaaaa gtgagattgc	240
taagtaaggc ttaaaccagg aaaacaatct tgaatagact aattaggatt caaattatca	300
taaagtagtc aattaatata ataaataccn aatgatctgt gccattaaat ataaaaatat	360

gtntaaaatt aaaatgtata aattgttttt atgtaaggng cacaaaccaa atgncattac 420
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 acacatattt ttagaatgat catatacata gttaggtggg cattcgaaaa cctgaccttt 180
 accatctttg cagaataaag tatcttgtgc agtctttcgg atctggctga tatcctacaa 240
 ccgcgcgatgt agtttctgcc gcttacagtt ttccccaggt tttgatgagc acatatcatc 300
 tacacaaaat ggagcatcgg aatttgagtc tctgcaattg attgntgnaa ttgggggtttc 360
 ttgccagcgc gcaacttcaa agtagaacia tcatgacaaa atgttccaac tgcttattag 420
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FC-8-C3.ST25.txt

gtttcttggg	taacaacaaa	tggncaataa	aacattatga	ttgtccaaat	ggcttgcaact	180
ttgataaaac	ggagttgcca	tgcataccca	cgcggccggc	gaagaatgca	aaagtgagat	240
tgctnagtaa	ggcttaaacc	aggaaaacaa	tcttgaatag	actaattagg	attcaaatta	300
tcataaagta	gtcaattaat	ataataaata	cacaaatgat	ctgtgcaatt	aaatataaaa	360
aatatgtata	aaaattaaaa	tgtataaaat	tgtttttatg	taaggagcac	aaacaaaatg	420
tcattaacta	tagtaattct	gattatttaa	aatatataaa	tatagaagct	ttatgaaatt	480
acatgttctt	ttaataaaaat					500

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taatatgaa taatttaatt	120
tttattatgt ggctctcgga	
taatcgggtca ataaaaaaaa	
aaatatgaat gaatgatatt	180
taacacgcac attattatta	
tactatttgt tctttgagtg	
tgtatgatgc tccgtgttat	240
tattttgaac tcgactccat	
tcggagtcta tgcaaaggca	
tatatatgtg agtgtgtgta	300
agaatatttt tcaaagatta	
tatttgcttt actttttaat	
agataatatt atatttttgn	360
taatgttaat gactatatta	
tggntatttt gntctttttg	

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agctctatatt atgaaatatt atgctgagac aaaattgccg gnagtattaa gtgtgcattc      420
atgccataac tcccaacttt tggtagaata attcacaatt tatgtcagag gnattatata      480
ggtgtaaaca atttaata                                                    498

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tcttggttaa caacaaatgg caaataaaac attatgattg cccaatggct tgcactttga     180
taaaacggag ttgcgatgca taccacgccc cccggcgaag aatgcaaaaag tgagattgct     240
aagtaaggct taaaccagga aaacaatctt gaatagacta attaggattc aaattatcat     300

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aaagtagtca attaatataa taaataccna atgatctgtg ccattaaata taaaaaatat 360
gtataaaaat taaaatgnat aaaattgttt ttatgtaagg ngcacaaacc aaatgncatt 420
aactatagta atttctgata tttaaaatat ataaatatag aagctttatg aaattcntgt 480
tctttttaat aaaaanaa 498

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gcacaccctt tgaaatgcct tgntcaaagn ttgatccac aagantaaag acaccttctt 180

cttcattagt gnttggaatg cgantatcat ctctatcttc atcatcaatt tgggaagcac 240

catgtttntt ctnaacaaaa gcccttaatt cttcg 275

<210> 1494

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 acataatgca ggatcagtaa ctgncatcat tctatatccg gctctgntgt aatccccgct 180
 taaattccaa gataacgcat taaaatgngg aaattgncac gtatataaaa ggnctoctaa 240
 gataaatgct cctgccttaa attaccggaa caagcaccca acccattagg gnggggattg 300
 ntctgacaat tgatccaacc caagttttta aatcttattc ttttnattgg agtatataca 360
 gatgtatata atattaaatt agctgntcct aatctgntgg taaaccattt acccaaaata 420
 tacataccta tcccgtagat gcagcacctg agcaaaacct acagcatgta atggacttaa 480
 aatcccctga ctaaactc 498

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 agatgatatg tgctcatcaa aacctgggga aaactgtaag acggnagaaa ctacatgcgc 180
 ggntgnagga tatcagccan atccgaaaga ctgcacaaga tcttattctg caaagatggn 240
 aaaggncagg ttttcgaatg cccacctaac tatgtatatg atcattctaa aaatatgtgt 300
 aaaaagaaat cgtcagaagc tgattgcacc gtcatgaaat gcacaaatcc caattctttt 360
 atacctatgc accggaccca tcaatttatg cttggtgcaa tgacaaattg caacccgatc 420
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 agaaccttgt taatgctggg tgcaccaaca acgcgcctnc aatgaagata ttccgtagcc 180
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<210> 1497
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 tttaatatta aatagattaa ttaaaaatct ataaagtgat aagaggcctg atatccataa 180
 tattattgaa tattaagaag tgacggatag atctgataat gtagtagttg ttatagacaa 240
 ttactttaat aattatgagt tgcacatta tgcaatgatt tatcactatt atttattcaa 300
 cattttattht aactgcttgc aacttttaaat aaaacgcatt ttttattgnt ttaagtataa 360
 atcttattag ggcacaatat gaaaataaaa ataagaactt tatacaaaaag ctttttttat 420
 acaatatgct tcttgcgcta ttaagttaag aaatttattht atgcttgnaa aaaaacaata 480

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 tnttatagat tgcatttcaa tctgnattaa atngnatgna aatcacagca caagatctaa 180
 cacacaattc atctaacaga aagaacaaaa taatttttaat gntattaaaa agacnnataa 240
 aataactttt acaataaagt aaccttacat gagatgngnt gatttcagat acttttcata 300
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 gtgaaaattt aatttaattgt atttaatatata atattccgaa tgttgccaat actcaaaagt 180
 ttgaatagca ctgttactgt gtgaatcgcc tggtgaaaaa aactagaatt tattttacaaa 240
 atgggtctagt gcaaaattta gagacacgta acttacaaca gccccaaaag agcgctagag 300
 caaaacacca cgcgatttat acagtaattg ntctgngcat tggatatctat tggatgtgtg 360
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 gaacgagcat tgcttcatat ggaccataac catatttccg cgtgtgttgn gaaatgcaat 180
 tatactttga gaaagtatta tcaattacaa agaaaattca gaagntgcta ctgaatcatt 240
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 aacacaacac ataatcagat aaaggacaat tttgttaatc gagtagaaaa ttgaatcaat 180
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 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
 aaactttggc cttcgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt 240
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tgtaaatggc caaggaggct atgccactct ngtcaatggg ggagttggct ggaaaaatgt      180
aactttactc ttatcttctc agactggcaa aggatttaac ttcttagttg aaatttgggg      240
atattagatt agagatttaa taaaaatggt attatagaaa atatattaaa tataacaatag      300
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accctcaaac aaagaatcaa tttcaatgct agcttggggt gaagaagaca aagttctctt      180
cgctctttca caagatgtcc tcaaacgacg gagagcacgt ttgttgagg taagatcttt      240
cttgtatttg cgtttgaatt cttgtacgat cggttgcaat ttgtcattgc accaagcata      300
aattgatggg tccggtgcat aggttataaa agaattggga tttgtgcatt tcatgacggg      360
gcaatcagct tctgacgatt tctttttaca catattttta gaatgatcat atacatagtt      420
aggtgggcat tcgaaaacct gcctttacca tctttgcaga ataagtatct tgtgcagtct      480

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 ntcggnataa agaatgcaat cactccacat gctatcagag atgntcctga tattaaaaat 240
 gntaaatcgc aattataatc tagaattatt cctacaacat tgcttcaaca acacttccta 300
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 cttcacttct ggatatttcc atcgcaatta tcaaagggct ttgaaaaaca gatgtagatg 180
 ttagtgaacc aagaaaagcc gctgttataa aaacaataaa ccaactggaa gtaaagtctg 240
 taattagtct tccggtgacg attgtgatga gacttaagta aaatactggc cttcttccaa 300
 tcctatctcc taattgtcca aaaataaatg tgcctatgac ttgcctgca cgtccaatag 360
 caaatgtatt agttacatag agttctctat cacaaacca gtcttgatct gacggagccg 420
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 ctttngnata aagggtcttat ttttattttc atatngggcc ctaataagat ttatacttaa 180
 aacaataaaa aangcgtttt attaaaaggn gcaagcagtt aaataaaatg ntgaataaat 240
 aatagggana aatcattgca taangangca actcataatt attaagtaaa ttgnctataa 300
 caactactac attatcagat ctatccggca cttcttaata ttcaataata ttatggatat 360
 caggcctctt atcactttat agatttttaa ttaatctatt taatattaaa naaaaaataa 420
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 acttctgcat tttaaatta tcttaatcca acatcgnggg cgcaatctat tttggcgata 180
 tgttctctta aaaataatta cgctgggtatc ccttaagtaa cttaatcttt taatcataat 240
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 ctttcgcaaa ctttaattct ccttcttgat gcgtgnggat gtcattctgt aaataatgga 180
 gtccctgcca ggggtccattg tggagatcga gatacagata gcaagtaacg agaagaaaaa 240
 ggctactccg aaccataaaa tgatgttaaa aaccaccggg taggagtcgn tgtattcttt 300
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 ttaccttttt gnattaaa at atatgtatat ttatgaatat gtatttcttg natttttaggn 180
 taaattcggt atagaata at ttggaaatca tttcataat gctaaagtat taaattggct 240
 tttttccatt aaaatcct at ttaacattat acatatattt tattgcaaat gtgaggcggn 300
 atggaatcac ggggtggctg tttctgagta gtcgaacctt ttaggcaaaa attgngtaga 360
 tcaaactcag tctacaatct tgagctcatc ccattctcag aacattcatg tatttaaggt 420
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 gatatacata tgttggtatg tagttatgaa tttaatatac ttttaattaaa cccattccaa 180
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 aaaagntttt ataggngntc tattatacga agcactcgaa acattaaatc tttataaatg 180
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gacaattata gtacgtacgn gggactaatt aaataatttg gnacagattg ncaggntttt      240
atatactaca atactnaatt atttaaaaag nccattttca actcctaata aaagtatttg      300
agcccactct ttctgnagaa agatttaaatt aaagggtgttc aaaagggagt cggnggtata      360
gagctacatt acatttttaa atcttcgngg tgaaaaagng gnggctgntg ntcaaaatat      420
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 gatacatgna atttcataaa gcttctatat ttatatattt taaataatca gaaattacta 120
 tagttaatga ctttttggtt gggctcctta cataaaanac aattttatac attttaattt 180
 ttatacatat ttttttatatt taattgcaca gatcatttgg gtatttatta tattaattga 240
 ctactttatg ataatttgaa tcctaattag tctattcaag attgntttcc tggnttaagc 300
 cttacttagc aatctcactt ttgcattcct cgccgggtgg cgnggggatg catcgcaact 360
 ccgttttatc aaagngcaag ccatttggac aatcataatg ntttatttgc ctttgggtgg 420
 taaccaagaa acattgataa tatttttttac aatctcttcg atcggaaaaa acgttttcac 480
 ttttgcattgc agtctgacga 500

<210> 1517
 <211> 450
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (30)..(30)
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 <222> (59)..(59)
 <223> n = unknown

<220>
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 <222> (62)..(62)
 <223> n = unknown

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 tgtaaatacc ttatataaaa cttattttttt tggaaacttc ttaaattatg acaaaactgt 180
 tttaaatatg aagagtatcc aaattcatat aagacatcca ttgcattggt tagtagaaaa 240
 aatatgattt tatgtattat ttaaatttat atatagaata ttaatgactc acagtgtagt 300
 gtatatatac atctactata atttattatt tacaaatttt cccgataaaa atactgttac 360
 taaattgcta ggcattgtgat catgtattat gactttgtct acattaggtg tgatcttgat 420
 aatgaaatat atgagctttg aaatctctaa 450

<210> 1518
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<220>
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 <223> n = unknown

<220>
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 <222> (450)..(450)
 <223> n = unknown

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 gctgcagcag acacacaaat tgctgtatca gtctttgacc agcctaatac aaacagatac 180
 attgtttgaa tagcagaaaa tgctatgtcg gagtatagt caaatgtcac tccaataacc 240
 atattttacat aaatccagtc ttttaacaaa gttaaatacca aaaagtcaac gataacttgc 300
 aattttcccc tagattttct ctctaccggt gcagtagtgc tatcactgca atgactgntc 360
 cagtccaatt acctaaacta gaaatggaag accaggtctt ctcatcttat ggtcttcata 420

ttgaagcatc ttaactggag gtacgccttn tatatcc

457

<210> 1519
 <211> 277
 <212> DNA
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<220>
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 <222> (223)..(223)
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<220>
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 <222> (235)..(235)
 <223> n = unknown

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 tatatttata ttaaattaca attaggacta cataatgcac tttaaaaatt atggcatagt 180
 taagacttca ttagaaatac aataagctac aattataaat tgnattatat tttgnatttt 240
 tatcataaaa gaataaaatc attcagaatg caaaaaa 277

<210> 1520
 <211> 500
 <212> DNA
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<220>
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 <222> (60)..(60)
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<222> (500)..(500)
<223> n = unknown

<400> 1520
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 gttaatgaca ttttgnttgn gctccttaca taaaatacaa ttttatacat ttttaattttt 180
 atacatatatt tttatatttta attgcacaga tcattttgngt atttattata ttaattgact 240
 actttatgat aatttgaatc ctaattagtc tattcaagat tgttttcctg gtttaagcct 300
 tacttagcaa tctcactttt gcattcttcg cggggtggcg tgggtatgca tcgcaactcc 360
 gttttatcaa agtgcaagcc atttggacaa tcataatggt ttatttgcca tttgttgnta 420
 accaagaaac attgataata ttttttacaa tctcttcgat cggaaaaaac gttttcactt 480
 ttgcatgcag tctgcacgan 500

<210> 1521
<211> 443
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (433)..(434)
<223> n = unknown

<220>
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<222> (439)..(439)
<223> n = unknown

<400> 1521
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 aatattttatt tccaatttgc aaatatggaa actaccatcc ctatattata tataattgta 120

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tatattcctg aactgtttta tttgaattta ttttaaacac aaactttaat tatattcaaa	180
taatgatgga cgtgatttca tatatcccta aactttggat cagagtttga gagaagccta	240
gccatagtgt atagaaaatt atgtgtaggt gtataattaa gattgtcagg agtcaaatat	300
ataaagcatt gatacaaatt atacattcca attttctgta aaccgtgttc tttggttgat	360
tatggtttat atcacaattt atgaatcatg taaattaatt gtaaatttga aatgtatctc	420
cgatgtaaat gtnnaaaana aaa	443

<210> 1522
 <211> 495
 <212> DNA
 <213> Ctenocephalides felis

<220>
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<220>
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 <222> (32)..(32)
 <223> n = unknown

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 <222> (80)..(80)
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<220>
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 <222> (108)..(108)
 <223> n = unknown

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ggaaaggata taatcaacat ggagaagggt tatttcctgc aaactttgta actgctgatt	180
tatcagttga accagaacaa tttagaattg atgctaacaa gaaatctggt caattttctg	240
atgctgttca agtcaaaaact atatctcatg atgatgaaac cagtcctgaa attaatgaag	300
aaagtataga tactttatta aattttattac atgaagcaaa tcctgaagat cctaattgatg	360
atacagagca aatgctcaac ttagaagttc aagtaaataa aatgggccct ctgattgatg	420
ctgaattaga aaatattgac aggaaacatg ctcaacttac gcaattgagt ggcgatttag	480
tagaagccct taatt	495

<210> 1523
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 <212> DNA
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<220>
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 <222> (58)..(58)
 <223> n = unknown

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 tatggaaggc ccttgcatct tctgcatctt ttatctgttg tgacaattgc gccaccaatc 180
 tctcttggtt aaccaattgc cgacttaatt tatccaaaat atctgtatta tcttgaactg 240
 tgcttttcat agattttcaat tcgtataaaa aagaagctat tcgagctttt tgtttgtcca 300
 actcgtctgc cgttttcgta tgatcttcat aaaagttgga agccacttct cgtctcgttt 360
 tttgggcata tttttgtaat tgtattactg attgtcgtat gagatccatg tcttgttcta 420
 actcatttac tctgcgaagt tttttatcct gccgttaata cgacctcgac ttgggttctt 480
 tggggtttct tcatctag 498

<210> 1524
 <211> 387
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (14)..(14)
 <223> n = unknown

<220>
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 <222> (16)..(16)
 <223> n = unknown

<220>
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 <222> (60)..(60)
 <223> n = unknown

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 gtataattgc atttcacaac acacgacgga aatatgggta tgggtccatat gaagcaatgc 180

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tcgttcttct atccacttgc ttctgataaa tgttcggtat aaagaatgca atcactccac	240
atgctatcag agatgttcct gatattaaaa atgttaaadc gcaattataa tctagaatta	300
ttcctacaac attgcttcca acaacacttc ctaatcgacc catcattaaa gatatacata	360
ctgccattgc cctgagttgt gtagggg	387

<210> 1525
 <211> 460
 <212> DNA
 <213> Ctenocephalides felis

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tgaatgatta aatgtaatag attaatcaaa ttttagatta ttaaaattgt tctattacta	120
cagtagcaac ctccagcctga aaattaaccg acaaaatttc taacccttat caatgtatag	180
attttgaaaa ataacataga aatactatatt ttttgatgac tgtaataaaa aaatgtataa	240
atggccatac ctgaaaagat ttctatgtgt attttttatt accttttatt gctgaatgga	300
taaaagataa atacaatttc ataagctctt ggattaaatt aattttgaat aaatccataa	360
ttataaaata tgttaagtag caaattgaaa tatggaacta caaatgtat acgaaatata	420
acttatataa taaatgaaaa aaaaaaaaaa aaaaaaaaaa	460

<210> 1526
 <211> 500
 <212> DNA
 <213> Ctenocephalides felis

<400> 1526 ttttcctttt tatgtttatt tcaaaattat aaaacaattg atgatgacgt agaattttac	60
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ttgatgttat gctcgcacac acacacacag atatatatat atattgttga gcttcgaaca	180
aagaatccaa aaagtaataa aataatcaaa aaccatttct ttattttattt attatcgacg	240
tttcggaact aggtatgttc caacttcagg acatctgtca agaaacatga ttttgataag	300
atttaagcaa acaatatgtt taggaaaatt ataagatgat ggatttttta aattaataac	360
attgttgaaa aaataatata tagaaatatg acaataatca aaatgaaatg ataaaaataa	420
atgagtaaca aaatattgaa aatgttaaaa attgaaaagt tttagaaagt ttttaagaaaa	480
ggttctgaaa aaaaacagaa	500

<210> 1527

<211> 431
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (11)..(11)
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<220>
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 <222> (31)..(31)
 <223> n = unknown

<220>
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 <222> (86)..(86)
 <223> n = unknown

<220>
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 <223> n = unknown

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 ttcttttttac acatattttt agaattgatca tatacatagt taggtgggca ttcgaaaacc 180
 tgaccttttac catcttttga gaataagtat cttgtgcagt ctttcggatc tggctgatat 240
 cctacaaccg cgcatgtagt ttctgccgtc ttacagtttt ccccagggtt tgatgagcac 300
 atatcatcta cacaaaatgg agcatcggaa tttgagtctc tgcaattgat tgttgtaatt 360
 ggggttttctt gtccagcgca caacttcaaa gtagaacaat cgtgacaaaa tgttcccaac 420
 tgcttattag t 431

<210> 1528
 <211> 379
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (22)..(22)
 <223> n = unknown

<220>
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 <222> (368)..(368)
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 tcttggttaa caacaaatgg caaataaaaac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcatgc ataccacgc caccggcgga agaatgcaa agtgagattg 240
 ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtatnaa aaaaaaaaaa 379

<210> 1529
 <211> 325
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (31)..(31)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (60)..(61)
 <223> n = unknown

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 attcaccaat cagttcattt atcataacaa agacatatat aataagattt tagtttaatt 180
 ataaaaaatg ctaaaaaata tttttaacaa aaacgcaata gaattattta tgaattatta 240
 cttaacattt caaaagggtg atatttggtg ataaataaac aaatgcatta gagataagca 300
 aatatttatg aaaagtatga acagt 325

<210> 1530
 <211> 410
 <212> DNA
 <213> Ctenocephalides felis

<400> 1530
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 catgcaaaag tgaaaacggt ttttccgatc gaagagattg taaaaaatat tatcaatggt 120
 tcttggttaa caacaaatgg caaataaaaac attatgattg tccaaatggc ttgcactttg 180
 ataaaacgga gttgcatgc ataccacgc caccggcgga agaatgcaa agtgagattg 240

ctaagtaagg cttaaaccag gaaaacaatc ttgaatagac taattaggat tcaaattatc 300
 ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa 360
 tatgtataaa aattaaaatg taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 410

<210> 1531
 <211> 437
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (47)..(47)
 <223> n = unknown

<220>
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 <222> (71)..(71)
 <223> n = unknown

<220>
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 <222> (75)..(75)
 <223> n = unknown

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 aatctgcagc tgctgcagca gacacacaaa ttgctgtatc agtctttgac cagcctaattg 180
 caaacagata cattgtttga atagcagaaa atgctatgtc ggagtatagt gcaaatgtca 240
 ctccaataac catatttaca taaatccagt cttttaacaa agttaaatcc aaaaagtcaa 300
 cgataacttg caattttccc ctagatttct tctctaccgg tgcagtagtg ctatcactga 360
 caatgactgc tccagtccaa ttacctaaac tagaaatgga agatccacgt cttctcattc 420
 tatgtttcttc atattga 437

<210> 1532
 <211> 260
 <212> DNA
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<220>
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 <222> (50)..(50)
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<221> misc_feature
 <222> (205)..(205)
 <223> n = unknown

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 tattaactct atatctttat ctatctatct attagttcaa ccaataaaat taagcgtaaa 120
 atgaataatt ttgattagaa caaatatatt catggattta aaaaaatcta aattgtaaaa 180
 ttcttaaatg ccttatcata tttgngagcc tgtgttcaac cataatattt ttttatataa 240
 cacataaagt aaaacaaagt 260

<210> 1533
 <211> 337
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (40)..(41)
 <223> n = unknown

<220>
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 <222> (43)..(43)
 <223> n = unknown

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 <222> (66)..(66)
 <223> n = unknown

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 <222> (70)..(70)
 <223> n = unknown

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 ctgctgcagc agacacacaa attgctgtat cagtctttga ccagcctaata gcaaacagat 180
 acattgtttg aatagcagaa aatgctatgt cggagtatag tgcaaatgtc actccaataa 240
 ccatattttac ataaatccag tcttttaaca aagttaaatc caaaaagtca acgataactt 300
 gcaattttcc cctagatttc ttctctaccg gtgcagt 337

<210> 1534
 <211> 500
 <212> DNA

<213> Ctenocephalides felis

<220>

<221> misc_feature

<222> (60)..(60)

<223> n = unknown

<220>

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<222> (393)..(393)

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<222> (396)..(396)

<223> n = unknown

<400> 1534

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tccttacata aaatacaatt ttatacattt taatttttat acatattttt tatattttaat      180
tgcacagatc atttgtgtat ttattatatt aattgactac tttatgataa tttgaatcct      240
aattagtcta ttcaagattg ttttcttggg ttaagcctta cttagcaatc tcaacttttgc      300
attcttcgcc ggggtggcgtg ggtatgcac gcaactccgt tttatcaaag tgcaagccat      360
ttggacaatc ataatgtttt atttgccatt tgntgntaac caagaaacat tgataaatatt      420
ttttacaatc tcttcgatcg gaaaaaacgt tttcactttt gcatgcagtc tgcacgagaa      480
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<210> 1535

<211> 439

<212> DNA

<213> Ctenocephalides felis

<400> 1535

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tggcaggccg tgaatgctgg aaactgggta cgtgtagaaa atctagcaag aaaattggga      180
tcttccagag ctgaagattt gaccgtctat tcagggtgtc atgatatcct aactctgcct      240
gatgtcaata acaacgaagt aaaaatgtct attgccaaag acggaaacat ttggataccc      300
aaatggaatt ggaaaatagt acaatcgcca aaaactggag aaggcattgc ttttgttacc      360
ctcaataatc cttatgcaga gaaagtcctc ataaagatct actctgcaag gacatctgca      420
aagaactgga tttgaagat                                     439

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<210> 1536
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 <212> DNA
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<220>
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 <222> (4)..(4)
 <223> n = unknown

<220>
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 <222> (118)..(118)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (237)..(237)
 <223> n = unknown

<220>
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 <222> (249)..(249)
 <223> n = unknown

<220>
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 <223> n = unknown

<220>
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 <222> (452)..(452)
 <223> n = unknown

<220>
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 <222> (489)..(489)
 <223> n = unknown

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 ttcctcaaaa actgntaaat acaataagtt aacttaaata catggatggt ctgagaatgt 180
 ggatgagctc aagattgtag aactgagttt gatctacaca atttttgcct aaaaggntcg 240
 actactcana aagcagccac ccgtgattcc atacgcctc acatttgaca ataaaatata 300

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tgtataatgt taaataggat tttaatggaa aaaagccaat ttaatacttt agcattatga	360
atatgtatatt ccaaattatt ctatnacgaa tttaacctaa aatacaagaa atacatatc	420
ataaatatac atatatttta atacaaaaag gnaacttggc aaaaatgaaa ttcaaatcac	480
ttgggttgnt aatttaaag	500

<210> 1537
 <211> 498
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (28)..(28)
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<220>
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 <223> n = unknown

<220>
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<220>
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 <222> (477)..(477)
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cacgaattca cgcaactaaa ttttactttt ttacattttt gcaatataat acatatatat	180
tataaaaaag taaaaaatcg ttattaaaaat aattaattac acgggatata ttagatagtt	240
aattttataa taaattgtat tatataatag ggaatataat acatatatat tataaaaaagt	300
aaaaaaatcg ttattaaaaat aattaattac acgggatata ttagatagtt aattttataa	360
taaattgnat tatataatag ggaatataat catatatatt ataaaaaagn naaaaatcgt	420
tattaaaaata attaatatac cgggatatat tagataggta atttttataat aaattgnatt	480
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ttagagtcac	caaaaaaaat	agtataat	ctatgttatt	attcaaaatc	tatacattaa	240
taaggatggt	agaagtttgt	tcgggttaatt	ttcaggcaga	ggttgctatt	gtagtaaatg	300
aacaatttta	atcatctaaa	atttgattaa	tctattcatt	taatcattca	atagtaaatt	360
tccttttga	atttcgaatg	gntgccatta	cggnaaacia	agtctcctcg	tcaacagttg	420
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tcttggttaa	caacaaatgg	caaataaaac attatgattg tccaaatggc ttgcactttg 180
ataaaacgga	gttgcgatgc	ataccacgc caccggcgga agaatagcaa agtgagattg 240
ctaagtaagg	cttaaaccag	gaaaacaatc ttgaatagac taattaggat tcaaattatc 300

FC-8-C3.ST25.txt

ataaagtagt caattaatat aataaataca caaatgatct gtgcaattaa atataaaaaa	360
tatgtataaa aattaaaatg tataaaattg tattttatgt aaggngcaca aacaaaatgn	420
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tcattccatg ccataataag attatctctt aattttgaat gccaaatgtc atatcatt	180
ctcagctaac atttataaat tatgaatatg aaataatggn taaattggat tatagttgac	240

FC-8-C3.ST25.txt

ttcctacatg tagaaattag acacagtaga aatgaaacat aaatatatct ttggagaatc	300
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taagaacaca atagaaaaat catttaatta gntggatatt tttagtataa gtattcctgt	180
gtagatagca agttgtgact acagaataaa tatctgattt tatcacaagg nnaaanaaaa	240
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agtagcaacc tcagcctgaa aattaaccga acaaatttct aacccttata aatgtataga      180
ttttgaaaaa taacatagaa atactatttt tttgatgact gtaataaaaa aatgtataaa      240
tgcccatacc tgaaaagatt tctatgtgta ttttttatta cctttttatt ctgaatggat      300
aaaagataaa tacantttca taagctcttg gattaaatta attttgaata aatccataat      360
tataaaatat gttaagtagc aaattgaaat atggaactac aaaatgtata cgaaatataa      420
cttatatata aatgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa                    464
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tataattgca tttcacaaca caccgacggaa atatggttat ggtccatatg aagcaatgct 180
cgttcttcta tccacttgct tntgataaat gttcgggtata aagaatgcaa tcaactccaca 240
tgctatcaga gatgttctctg atattaaaaa tgtaaatacg caattataat ctagaaattn 300
ttcttacaac attgggtcca acaacacttc ctaatcgacc catcattaaa gattacatac 360
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atacatttta atttttatac atatttttta tatttaattg cacanancat ttgggtattt      180
attatattaa ttgactactt tatgataatt ngaatcctaa ttagtctatt caagattgnt      240
ttcctgggtt aagccttact tagcaatctc acttttgcac tcttcgccgg gnggngnggg      300
tatgcatcgc aactccgttt atcaaagngc aagccatttg gcaatcataa tgggtttattt      360
ggcatttgnt gntaaccaan aaacaatgat aatattttta caactcttcg atcgg          415

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<210> 1545

<211> 418

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<213> Ctenocephalides felis

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aaaagaattg ggatttgtgc atttcatgac ggtgcaatca gcttctgacg atttcttttt      120
acacatattt ttagaatgat catatacata gttagggtggg cattcgaaaa cctgaccttt      180
accatctttg cagaataagt atcttgtgca gctttcggat ctggctgata tctacaacc      240
gcgcatgtag tttctgccgt cttacagttt tcccaggtt ttgatgagca catatcatct      300
acacaaaatg gagcatcgga atttgagtct ctgcaattga ttgttgtaat tgggggtttct      360
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tacataaaan acaattttat acatnttaat ttttatacat attnttttat atttaaantg 180

nacaggaaca tttgggggnt ttattatatt aattgactac tttatgataa ntttgaatcc 240

taattagtct attcaagaat gnttnctggg ttaagcctta cttaanaatn ttactttgna 300

ttctttgcgg gggggggggg 320

<210> 1547

<211> 126

<212> DNA

<213> Ctenocephalides felis

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<210> 1548

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 gaacctgggt ttaccacaaa gaccagaaca tatattaaca gattgtatgc acgtnacatc 180
 agaagacggt gacttctttt tcaaaagcaa tgggtgtcgaa gattcttcag cagaaagntc 240
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actatagtaa ccagaaacia aaatcagagt gtgtaaaatg taaattcata tattttttggn 180

aaaaatacaa tcaagatata acagtgccac aatattatta aaatacgtat ttgtgacgaa 240

acctaaagtg ngggtcagaat ataaaaaaca ataatatatta tccttcaaata gnatgctttg 300

aaaaaaagca ttccaagatt ttgggttaaat attttggtaa gnccacattt atgggtgntc 360

ggtcaattaa aatatgtttc ttttgcagg aaagaatatg gtgnagatat tggccaaaaa . 420
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 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
 aaactttggc ctctgtcttt cctgcatctt tgaaacattc cgtttcttag ttctggaagt 240
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 gtgccgtaac attgttttga taagtgaagt cgttgctnaa aagcacagga ccaagattga 180
 caactncatt ccaatatattt aattaatttg gtgntaattt tgataacggt gattttatcc 240
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 taaagaagta tttgcatcat tggatgagcc cgcaccagga gtagtaccta ctctgaacc 180
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 aagtcagtct gcaagtacaa gggttcaa atgtccgtcacc atcgagattt tattcaaata 420
 taaatgattg caaagctatt attattgnga cgaaaatagt atangaaccc aatattttgg 480
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 acacatattt ttagaatgat catatacata gttagggtggg cattcgaaaa cctgaccttt 180
 accatctttg cagaataaag tatcttgtgc agtctttcgg atctggctga tatectacaa 240
 ccgcgcgatg agtttctgnc gcttacagtt tccccaggt tttgatgagc acatatcatc 300
 tacacaaaat ggagcatcgg aatttgagtc tctgcaattg attgntgnaa ttgggggtttc 360
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 aagctgtcca agttctaccc acaaacctcg gtttgacacac acacagacac caaaacaact 120
 atgcatcacc ccaacaaacc aactttggat cctttcacca tcaccaacaa atagcaccta 180
 caaacattgg gggctactat tccccccacg gaattctacc aatctattac gataatggac 240

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acgggtttggtt gaatttttaat cctctgagggc agcaaaacta ctacgcccag tattatcctt 300
attaccagaa caccagacag tattatcctt acaatttttg atattattat catcacagtt 360
tgncaaattc gcactactac aggcaggagt 390

<210> 1556
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<212> DNA
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ccgatttcaa cctagctaaa gaatacaacg actcctaccc ggtgggtttt aacatcattt 120
tatgggttcgg agtagccttt ttcttctcgt tacttgctat ctgtatctcg atctccacaa 180
tggaccctgg cagggactcc attatttaca gaatgacatc cacacgcac aagaaggaga 240
attaaagttt gcgaaaggag tgtttttaat tgtaaataga ttgttttagta ttattacaat 300
gtaacgagtt attaatgtgt gatcaatata aattaaaatt aaaatacaat atctttgttg 360
aaatcgaatt attgggtctat tatatTTTTTg gtttacattc ctagtattac cgaattg 417

<210> 1557
<211> 276
<212> DNA
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tattgcattt ggtccaaaaa tctcaggctt ataatatggg cccacagaag aatatcctgg 120
cctgtactga gaaaatgcgt aagggtggtg atggtaatca cagttcgccc attggacaat 180
cgagatggcc accaaaaata ttacagcttt catttttagtc acttggtgaa atatcacgaa 240
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aaattactat agttaatgac attttgtttg ggctccttan ataaaataca attttataca      120
ttttaatttt tatacatatt ttttatattt aattgcacag atcatttggg tatttattat      180
attaattgac tactttatga taatttgaat cctaattagn ctattaaaga ttgttttcct      240
ggtttangcc ttacttagna atctcacttt tgcatttttc gccgggggggc gtgggtatgc      300
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tttg                                                                    364

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 actttaaatt aaacaaaggt cnaaatcagt gtttttcaat ctgtgggtgcg cgcaaggcag 180
 ttttcagaag gctgaaactg tttncaaaat actatttttg aatncaaacc aaaaaaagaa 240
 atatataaaa atataagatt gaagatacaa gaaaaaatat tgntagaaag aatgccaatc 300
 ttacaaaac aaaaacattt tataaaaatt agcattcctt ctatcaatnt ttttttttaa 360
 acaatatata tcagttgnaa atttatnaaa tcatattgnt ggngaaatta aaaaaaatt 420
 naaacgccaa aatttaaaaa tgagggcccg cggtgttgga agattgggaa cactgntta 480
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 caatagcaac ctctgcctga aaattaaccg aacaaaacttc taacatcctt attaattgtat 180
 agattttgaa taataacata gaaatcatac tattttttttg atgactctaa taaaaaaatg 240
 tataaatagc catgcctgat atattttttga tgaccttaat aaaaaaatgt ttaaatggcc 300
 atgtctgaaa agattttctat gtgtattttt ttgttaacat tttattgntg aatggataaa 360
 agataaatca atttttataaa gctgttttga taaattaatt ttngaataaa tctataatca 420
 tagaatatgt tnagtgcnaa ttaaaaatatg gccacaacca caaaatgaat acgaatatac 480
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 aaaatagtgt ttaatttgac cttaaccact ttggtttata tttagcaaaa atttattaaa 180
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<210> 1563
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 <212> DNA
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<210> 1564
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 caaggcagtt ttcagaaggc tgaaactggt tcaaaatact atttttgaat acaaaccaaa 180
 aaaagaaata tataaaaaata taagantgaa gatacaagaa aaaatattga tagaaagaat 240
 gccaatTTTT acaaaaataaa aacattttat aaaaattagc attttttcta ttaanatttt 300
 nttttaaaca atatatatca gtgaaaattt ataaaatcat attggtggag aaattaaaaa 360
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 tttaaaatgt gatgaattta tctgcaaata gtcaaaatca aaattactat ataataatta 180

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ttgaaataat gcttttatag attgcatttc aatctgtatt aaattgtatg taaatcacag	240
cacaagatct aacacacaat tnatctaaca gaaagaacta aataatttta atgttattaa	300
aaattacata taaaataact tttacaataa agtaacctta catgagatgt gttgatttca	360
gatacttttc atacaacagt gctttctgtn taaacaatat aatataaata acgg	414

<210> 1567
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tatagttaat gacattttgt ttgngctcct tacataaaat acaattttat acattttaat	180
ttttatacat attttttata ttttaattgca cagatcattt gggatattat tatattaatt	240
gactacttta tgataatttg aatcctaatt agtctattca agattgtttt cctggnttaa	300
gccttactta gcaatctcac ttttgcatc ttcgccgggt ggcgtgggta tgcacgcgaa	360
ctccgtttta tcaaagngca agccatttgg acaatcataa tgntttattt gccatttgnt	420
gntaaccaan aaacattgat aatatttttt acaatctctt cgatcgggaa aaacgttttc	480
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taaagggtctt atttttatct tcatatnggg ccctaataag atttatactt aaaacaataa    180
aaaangcggg ttattaaaag ggggnaggcng gtaaataaaa ngngaataaa taatagngat    240
aatcattgn ataangnggc aactcataat tattaagtaa attgggtata acaactactc    300
attatcagat ctatccggnc ttcttaatat tcaataatat tatggggatc aggcccctna    360
tcactttata ganttttaat taatctatct natattaaat aaaaaataaa tttaaaacca    420
ttaaaccoga mncatgggct ttaaagaaaa aaaancacca tacctttatt aagcttgggt    480
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<210> 1569
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<212> DNA
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gtataattgc atttcacaac acacgacgga aatatgggta tggncatata gaagcaatgc    180
tcgtttctct atccacttgc ttctgataaa tgttcggnat aaagaatgca atcactccac    240

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atgctatcag agatgttcct gatattaaaa atgttaaadc gcaattataa tctagaatta 300
 ttocataaac attgctttca acaacacttc taatcgaccc atcattaaag atatacatatc 360
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 tatacatttt aatttttata catatttttt atattttaatt gcacagatca ttnggggtatt 180
 tattatatna anngactact ttatganaat ntgaatccta attagnctat tcaagatcgt 240

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tttcctgggtt taagccttac ttagcaatct cacttttgca ttcttcgccg ggnggcgtgg	300
gtatgcatcg caactccgtt ttatcaaagt gcaagccatt tggacaatca taatgnntta	360
tttgcatcttg gtgntaacca anaaacattg ataatatctt ttacaatctc ttcgaacgga	420
aaaaacgttt tcacttttgn atgcagttct gnacgagaaa gaatttgggt caaaacattc	480
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<210> 1571
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tcgttttgaa ctgaatttga gcaaggatga tcgtgctaaa ttgtaccccc gttgtggtaa	180
actnaacca gacnggttag ctgctctggc tcgtgctgat gattatgaac aagttaaagc	240
tgtagctgaa tattatgctg agtattctgc tttattcgaa ggctcttggc gatgggccgg	300
cgacaaaaca cttgaagata aattcttttg aacatgaggt catctcaatg tgttgctttc	360
ttgcacaatt catttcggag tattttactc ttatttgaaa ctcaaggaca agagtgccgc	420
aacattgttg gataagtggg gcgtggtcaa agcacangac caaattgcac tcnttcatt	480

tttaataatt ggtgtaat

498

<210> 1572

<211> 324

<212> DNA

<213> Ctenocephalides felis

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catgagacca tcacgaatac aagaattgga agctttccca cagagttaat aatagcacct 180

attatgggaa atccaatcgc atatccagct tccaacatta aagaatgcat aaatgcctgt 240

tcttccattg tgtctttaca ctcggtcgta ctattcgtag catcaatgct tagggcggac 300

gacttcattg atactacgaa tagt 324

<210> 1573

<211> 380

<212> DNA

<213> Ctenocephalides felis

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 tctggnttaa attgtatgtn aatcacagca caagatntan cacacaattc atntnncaga 240
 nagaacaaaa tanttttant gttnttaaaa attacatata naataacttt tcaataaagn 300
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 aataatttgg aaatacatat tcataatgct aaagntntaa attggctttt ttccattaaa 180
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 acaatcttga gctcatccac attntcagaa catccatgta ttttaagtaa cttattgtat 360
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 atcctcgagt aatgacacct ttttcaattt ttgaatagca gtcgtccttt ggattcatac 180
 aaactttggt cttcgtcttt cctgcatctt tgaaacattc gtttcttagt tctggaagtt 240
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 aaatttaaga acatatttna tgacaggntt gttataaaaag cataaatgac tggttagttt 240
 tttttttttt taatgaaagt ttaagacatc tattatngga agatatatgg ggggaacaga 300
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atcagcatcc aagccttctt tgatttgtnc ttttatgcc tccagtccag ttaatttngc 180

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caccggncca taataaaaga ttattnaaaa ttgnatacca gnaatttcac cccatgcttt	300
taggaaaatc angatgacaa ccattgcaca gggccttttc agtgcagcag gcgatgggtga	360
atgatcacta actaccatat caatatcttn tgttttcaaa gctggcataa tttttcttgg	420
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ttttattttc atattgngcc ctaataagat ttatncttaa aacaataaaa aatgcgtttt 180
attaaaagnt gggngccggt aaataaaatg nngaataaat aatagngata aatcattgca 240

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taatgatgca actcataatt attaagtaaa ttgnttataa caactctaca ttatnagntc	300
tatccggccc ttnttaatat tcaataatat tatggntatc aggnncctta tcaactttata	360
gattttaant aatctnttta atattaaata aaaaataaat ttaaaaccnt ttaacccggt	420
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tataattgca tttcacaaca cagcagcgaa atatggttat ggtccatatg aagcaatgct	180
cgttcttcta tccacttgct tctgataaat gttcgggtata aagaatgcaa tcaactccaca	240
tgctatcaga gatgttcctg atattaaaaa tggttaaactg caattataat ctagaattat	300
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 gtgtccaaat ttgttgaata aaattgatac ctcttttaga gacagaagag aaggatatatt 180
 gccctcagga gggatttaga cttaaaatta atgatgctaa tgggtgttgta tccacaattt 240
 tacttttatt gcgcatactc aacatccatc ctgaactctt ttggaatatc ttctcttctt 300
 ctctagtata aggatctaaa taaaatcagc cagtggcaat tcagctgcag aatcatgtat 360
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 ttgngctctc taccgtatca tctgntgcgt ctttacttat caacaagctt tttctgtgat 360

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cccttaactt gccaaaaatc cttagtttgc tgntgnatct tcagcgactc ttcgtttatac    420
ttgactctta gcaggtcttc gngattcatc gggcataaga gcgcttttac ctataacggc    480
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agacaacgtc tgaggtcatt tccattcctt ggtttaaatc accattagat ttagcagaat 180
gaggagcttc atcttttattt ttcttggttg ccatcaaata taatgggttg cccaagagca 240
tgagcggaat acagcagagc ccaattaaca caaatatttt ttgaatttgc tgttgcctt 300
caaacataaa ttcacgcaa tgttctgctg gagatccttg cttgaataac atcatgttaa 360
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tttcctgggt taagccttac ttagcaatct cacttttgca ttcttcgccg ggnggcgngg	300
gtatgcatcg caactccgtt ttatcaaagn gcaagccatt tggacaatca taatgnttta	360
tttgccattn gttggtaacc aagaaacatt gataatattt ttacaatct cttcnatcgg	420
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ctcgattatg ctctatgtga tattctgcgt gtgggcacta ttcacaattg ccatcctagt	180
catgatggaa ggcctttctg cggtcttgca cacactgcgt cttcactggg tggagttcat	240
gagtaagttc tactctgggt tgggttattt gnccaaccct tctgcttcaa aactattttg	300
gacgcggagg ataaggaagc agaataatca atttatctat tatttaaata aattaaaaaa	360
acaaattant tataaagaag ttataaaaaa gttaaattatt ggtnaaaatt gattttcaaa	420

ngtcngtagg ggttttgaat taacactaat ttgtagt

457

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 tntcttctat ttttgacaaa gtttatttta aacagggtgtt gaaataattt cagtgtacag 180
 ctttacttta ctggcaacac tcatatcaac ataacgatct ccaattgata cgaccattcc 240
 acccaagatt gagggattaa ctttaaggggt tagtaataag ttttctttgg gttttaagaa 300
 tcctcttaaa gtgctttcaa gttgnTTTTg ntgattctca tctaaaggnt tagctgttgn 360
 nacttcacat ggacctctcc acgatgagca gacatcataa ctttataagc ggtgatacac 420
 cctccagtta ttaaactgcc attctcagca agtactccac aagttggatg tactggggagc 480
 catttgagc tgnttgtggc ttcttcatgc attgattaaa ggagcgcttg aaagtgggtg 540
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 accaaatggc tacttcagcg gttttggata aaccagttgt taactagaca aaaatacacc 180
 aagtgccaaa tatgatcctg tccaaacctt tccatgttta taagtagtgt ccaaacaat 240
 tatcttcggc gactgaaata ttggacaact tgcatgcatt tttgactatt ttaaattgac 300
 aggtcagcat tatttatgtc tggcagaata acagaggcaa aacaaacaaa tgtcgatcaa 360
 atattacaat tcgatgtgct cttaattgga ttaaataatag atttatacta attcaaaaag 420
 caatctgntn ttaaaatgag aatataanga gccaggccgt cagttttctt ttacatggtn 480
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tttaaacagg tgttgaaata atttcagtgt acagctttac tttactggca acactcatat      180
caacataacg atctccaatt gatacgacca ttccacccaa gattgagggga ttaactttaa      240
gggttagtaa taagttttct ttgggtttta agaatcctct taaagtgcctt tcaagttggt      300
tttgttgatt ctcatctaaa ggnttagctg ttgtaacttc acatggaacc tctccacgat      360
gagcagacat cataacttta taagtntga taacaccttc cagtttattt aaacgtccat      420
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<210> 1592

<211> 368

<212> DNA

<213> Ctenocephalides felis

<400> 1592

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tggacagagg ttcgacagca tggtttctca tgtgttgga ttcaataacc aatttttcac      120
gtaatttgtc atcaatggta gacacagata agggggaagg ctcatTTgat aaaaagggtgc      180
cataatctgt aactgccagg tgcagcttca aatcttcaag agtttcacat tgcacaagat      240
ttaaataatc ggattgttta agaattccgc acttgaaacc acggcacagg ccttccagat      300
agccaccatc aatattaaac atgaaaccca tttttattca atttatctgg cagtaatcgc      360
tcgtatta                                     368

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FC-8-C3.ST25.txt

tgtaaattggc caaggaggct atgccactct tgtcaatggg ggagttggct ggaaaaatgt	180
aactttactc ctatcttctc agactggcaa aggatttaac ttcttagttg aaatttgggg	240
atattagatt agaaatataa tgaaaatgtg aatatagaaa aaaaattaaa tatacaatag	300
tattttaaat ttggcacaca tctatctatg catccataaa taaagggtat atangc	356

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atatcaggaa catctctgat agcatgtgga gtgattgcat tctttatacc gaacatttat	180
cagaagcaag tggatagaag aacgagcatt gcttcatatg gaccataacc atatttccgt	240
cgtgtgttgt gaaatgcaat tatactttga gaaagtatta tcaattacaa agaaaattca	300
gaagttgcta ctgaatcatt ttctaaaaca tcgcatgaaa attaataact ctttattggt	360

attagattcg atgtaagata tatgtacata ctcataggta aaaaatgtta atgncgccat 420
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 caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgnat 180
 agattttgaa taataacata gaaattatac tatttttttg atgactctaa taaaaaaaaat 240
 gtataaatgg ccatgcctga tatatttttg ataaccttaa tgaaaaaatg tttaaatggc 300
 catgtctgaa aagattttcta tgtgtatttt tttggtaaca ttttattgnt gaatggataa 360
 aagataaatc aattttataa gctgggttga taaattaatt ttgaataaat cataatcata 420
 gaatatggta agtagcaaan taaaatatgg ncncaaacca caaatgttt cgaaatatac 480
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<210> 1596
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 acattttta ttttatacat attttttata ttttaattgca cagatcattn gngtattttat 180
 tatattaatt gactacttta tgataatttg aatcctaatt agtctattca agantgnttt 240
 cctgggttaa gccttactta gcaatctcac ttttgcatte ttcgccgggn ggcgngggta 300
 tgcacgcaa ctccgcttta tcaaagtga agccatttgg acaatcataa aggttatttg 360
 ccatttgntg gtaaccaana aacattgata atatttttta caatctcttc gatcgggaaa 420
 aacgtttcac ttttgcatgc agntctggac ganaaaaaat ttnggncaaa ancacgtgg 480
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<210> 1597
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 atttgtcatt tgatctttgc cagaaatggg tccgatcaaa tcataaagct tacttggaaa 180
 cgaatcatat gtatgaaaag tataatgccca cacatgctgg ggcaccagga aatggcggag 240
 aatatgaggt ccagcttggt tttggctgga cgaatggtgt catattagac cttcttaata 300
 aatacggaga tcgactgagc tctacatcaa attcgctcac atcagatggn tcgtcgtaaa 360
 tcttttggaa taatcttgaa gactgngaaa ttagtgaaaa aattactact agaagaatat 420
 acgagtatta aggttatata tagcgtagat gactttgcta ctatttattt gngggacnat 480
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 cacgaattca cgcaactaaa ttntactttt ntacattttt gcaanataag catatgtatn 180
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 gtgctcctta cataaaatac aatttataca ttttaatttt tatacatatt ttttatattt 180
 aattgcacag atcatttgng natattattat attaattgac tactttatga taattngaag 240
 cctaattagt ctattcaaga ttgttttctt ggtttaagcc ttacttagca atctcacttt 300
 tgcattcttc gccgggtggc gngggtatgc atngcaactc cgtttatcaa agngcaagcc 360
 atttggacaa tcataatgnt ttatttgcca tttgngngta accaagaaac attgataata 420
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 tacattttta tttttataca tattttttat atttaattgc acagatcatt tgggggattta 180
 ttatattaat tgactacctt atgataattt gaatcctaag tagnctattc aagantgggt 240
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<210> 1601
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ggatgagctc aagattgtag aactgagttt gatctacaca atttttgcct aaaaggttcg      180
actactcaga aagcagccac ccgatgattcc ataccgcctc acatttgaca ataaaatata      240
tgtataatgt taaataggat tttaatggaa aaaagccaat ttaatacttt agcattatga      300
atatgtattt ccaaattatt ctataacgaa tttaacctaa aatacaagaa atcatattca      360
taaatataca tatattttta tacaataagg nacttgngca aaaatgaaat tcaaattcct      420
tggttttgct aatttaaagt gtttagaatt ttctcttttt ttggtatggg ggntattgnt      480
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 aattttatac attttaattt ttatacatat tttttatatt taattgcaca gatcatttgg 180
 gnatttatta tattaattga ctactttatg ataatttgaa tcctaattag tctattcaag 240
 attgntttcc tggnttaagc cttacttagc aatctcactt ttgcattctt cgccgggtgg 300
 cgnnggtatg catcgcaact ccgttttatc aaagtgcag ccatttggac aatcataatg 360
 ntttatttgc catttggtn taaccaagaa acattgataa ttttttttac aatctcttcn 420
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<210> 1603
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 <212> DNA
 <213> Ctenocephalides felis

<220>
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<222> (494)..(494)
 <223> n = unknown

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 <222> (515)..(515)
 <223> n = unknown

<220>
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 <222> (541)..(541)
 <223> n = unknown

<220>
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 <223> n = unknown

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 <222> (565)..(565)
 <223> n = unknown

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 <222> (567)..(567)
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<220>
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 <222> (577)..(577)
 <223> n = unknown

<220>
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 <222> (593)..(593)
 <223> n = unknown

<400> 1603
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 ttctctgtcc gcaacgacat agtcgttttg caagatttat ccatgtataa ttttcgccat 120
 tcgtacccaa aattctcttt ggatcttgat catgttaaag ttgctttaac ggcattggct 180
 cgtatgcatg caagttgcat tatctacgag aagaaaaaaaa attgttgcac ggggagagtt 240
 tacaaagatc ttatgttcga gactatggcc aataataatc aatggtggag gactggagag 300
 gatactgctt tagcaattgc tgaggaatct gagaaattcg gtaaataatac cgaataccat 360
 tccatggtca ggagaagtta attgatttcc tgagattggc atggctatgg taaaaccatc 420
 gcgcntttat aaaaatgtgg tatgccccgc gataccccaa tcacaaattg atgggtcaaat 480
 ataattcaac tggntcctg acaatgcac ttggnccgatt tccaagatcc ctacatccac 540
 nactttggat tcaatcatct tntntnaga caacatntaa aagctttgag acnccccct 598

<210> 1604
 <211> 505
 <212> DNA
 <213> Ctenocephalides felis

<400> 1604
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 tgaatgatta aatgtaatag attaatcaaa ttttagatga ttaaaattgt tctattacta 120
 caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat 180
 agattttgaa taataacata gaaattatac tatttttttg atgactctaa taaaaaaaaat 240
 gtataaatgg ccatgcctga tatatTTTTG ataaccttaa tgaaaaaatg tttaaatggc 300
 catgtctgaa aagatttcta tgtgtatTTT tttgttaaca ttttattggt gaatggataa 360
 aagataaatc aattttataa gctgtttgga taaattaatt ttgaataaat ccataatcat 420
 agaatatggt aagtagcaaa ttaaaatatg gaccacaaac cacaaaatgt atacgaaata 480
 taacttatat gatTTTTTaaa aaaaa 505

<210> 1605
 <211> 408
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (165)..(165)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (370)..(370)
 <223> n = unknown

<400> 1605
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 aacacatctc atgtaagggt actttattgt aaaagttatt ttatatgtaa tttttaataa 120
 cattaaaatt attttgttct ttctgttaga tgaattgtgt gttanatctt gtgctgtgat 180
 ttacatacaa ttttaatacag attgaaatgc aatctataaa agcattatTT caataatcat 240
 tatatagtaa ttttgatttt gactatttgc agataaatTC attacatttt aaaatgttta 300
 ctttattaag ctatacaaac cttgaacttt acactttgta tttctagaac ataagtatta 360
 aataaattgn taaaaatatt tgtggctaga ttttcctatt gctaattg 408

<210> 1606

<211> 300
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (72)..(72)
 <223> n = unknown

<400> 1606
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 cataagctga tnaatgggca atcgcttcca aaagttgagc aaacaaaatt atggacgtcc 120
 tcattgatat tttattacta ctaagataat catgaagact gcaatcgtat ctcttcatta 180
 acaaaaacaa tgacatatat ctaccataac catcactgtt aattctttgt ggtaaagctg 240
 atggaaacaa actggctgct agtggtaaac cagttggaat tctatcagca aacacgctgt 300

<210> 1607
 <211> 541
 <212> DNA
 <213> Ctenocephalides felis

<220>
 <221> misc_feature
 <222> (324)..(324)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (403)..(403)
 <223> n = unknown

<400> 1607
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 tattaatatt tggtcctttg actaggaaat tcactaaaca attaatggat aaataattcg 120
 ggaaagtgtg tttcatcagt aggctccatt gctaaagtct cgtttgatgg taaagcatta 180
 acaccacgta agtttttggg aaattttaat gaactgaata tgcgttcag tttgttacgt 240
 aagagttcat gctgtggctt tgttcgggtc aacaattcat caaatgggtc atttctaaac 300
 gctttggcaa gtcgtttata ttgntcctct tgcagtaatt gttcagactc agtttgttca 360
 tttactgctc gtttcatgac atcaaaagaa tattcttcgg tgntaatttt cctggataat 420
 cctggtgaac ttgctgcgct atccacatcg ttggttaaag agctcaaate cgtacacttt 480
 ctaaagaagt gccagcctcg acccactatg ttgtgaacca tgttcatagt tatcgggcat 540
 g 541

<210> 1608
 <211> 431
 <212> DNA
 <213> Ctenocephalides felis

<220>
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 <222> (33)..(33)
 <223> n = unknown

<220>
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 <222> (109)..(109)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (123)..(123)
 <223> n = unknown

<220>
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 <222> (303)..(303)
 <223> n = unknown

<220>
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 <222> (306)..(306)
 <223> n = unknown

<220>
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 <222> (365)..(365)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (384)..(384)
 <223> n = unknown

<220>
 <221> misc_feature
 <222> (389)..(389)
 <223> n = unknown

<400> 1608
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 aattgaattt attagattat ataaaaactga aaattatcat ggaatgtant ttaaaatcat 120
 acngaaaaaa acaaatataa taataaaatt tgataatatt tcaacaactt gtagctagta 180
 cggcagaata ctgtttcaca acaacatact ttcattttaa caatagaatc attattttat 240
 aagtatctac aatttcttta aacattaaaa catgtcttca tgttttcctt acattaagga 300
 tgnngntagt accagacatc ccaaaaactg atttaatat ctttacatgg agaagacatc 360

atatnaaggg aaataaaata tggnattgnt ggaaacttta gtaagatttt taatgacgag 420
aatccctggg t 431

<210> 1609
<211> 510
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (500)..(501)
<223> n = unknown

<220>
<221> misc_feature
<222> (503)..(503)
<223> n = unknown

<400> 1609
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tgaatgatta aatgtaatag attaatacaa ttttagatga ttaaaattgt tctattacta 120
caatagcaac ctctgcctga aaattaaccg aacaaacttc taacatcctt attaatgtat 180
agattttgaa taataacata gaaattatac tttttttttg atgactctaa taaaaaaaaat 240
gtataaatgg ccatgcctga tatatttttg ataaccttaa tgaaaaaatg tttaaatggc 300
catgtctgaa aagattttcta tgtgtatttt tttgttaaca ttttattggt gaatggataa 360
aagataaata caattttata agctgttttg ataaattaat tttgaataaa tccataatca 420
tagaatatgt taagtagcaa attaaaatat ggaccacaaa ccacaaaatg tatacgaaat 480
ataacttata tgattttttt nanaaaaaaa 510

<210> 1610
<211> 445
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (28)..(28)
<223> n = unknown

<220>
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<222> (38)..(38)
<223> n = unknown

<220>

<221> misc_feature
 <222> (46)..(46)
 <223> n = unknown

<220>
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 <222> (57)..(57)
 <223> n = unknown

<220>
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 <222> (101)..(101)
 <223> n = unknown

<220>
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 <222> (161)..(161)
 <223> n = unknown

<220>
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 <222> (403)..(403)
 <223> n = unknown

<400> 1610
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 gtgtatttttt ttttcgtaaa aaaaataacc aatatctaca nttgtctttg acacaatata 120
 ttaataacag aactaacat agtctttgaa ataacatagt nttaatat ttt gtattaaggc 180
 actcaatact ataggaatac ttggaacgcg cattgctaaa ttcctcgctt atccaaaata 240
 cgtataaata cttattatca attatagggg catattgcta aatgacttaa aatcaataaa 300
 aagcgaatct cgcgtataaa aaaatgccat catcatatct cactgtgtgt aaaaatatta 360
 aaaatttgat caccgatgat tttgctgac acaacttatg ctngactcac aatatgtgaa 420
 ttaaacaatga gctctcttat atttg 445

<210> 1611
 <211> 386
 <212> DNA
 <213> Ctenocephalides felis

<400> 1611
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 agaaaatgat tcagtagcaa cttctgaatt ttctttgtaa ttgataatac tttctcaaag 120
 tataattgca tttcacaaca cagcagcgaa atatgggttat ggtccatatg aagcaatgct 180
 cgttcttctta tccacttgct tctgataaat gttcgggtata aagaatgcaa tcaactccaca 240
 tgctatcaga gatgttctctg atattaaaaa tgttaaatacg caattataat ctagaattat 300
 tcctacaaca ttgcttccaa caacacttcc taatcgaccc atcattaaag atatacatat 360

tgccattgcc ctgagttgtg taggggt

386

<210> 1612
<211> 504
<212> DNA
<213> Ctenocephalides felis

<220>
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<222> (30)..(30)
<223> n = unknown

<220>
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<222> (33)..(33)
<223> n = unknown

<220>
<221> misc_feature
<222> (36)..(36)
<223> n = unknown

<220>
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<222> (88)..(88)
<223> n = unknown

<220>
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<222> (241)..(241)
<223> n = unknown

<220>
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<222> (299)..(299)
<223> n = unknown

<220>
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<222> (357)..(357)
<223> n = unknown

<220>
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<223> n = unknown

<220>
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<223> n = unknown

<220>
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<223> n = unknown